

FIG. 1
(Prior Art)

FIG. 2

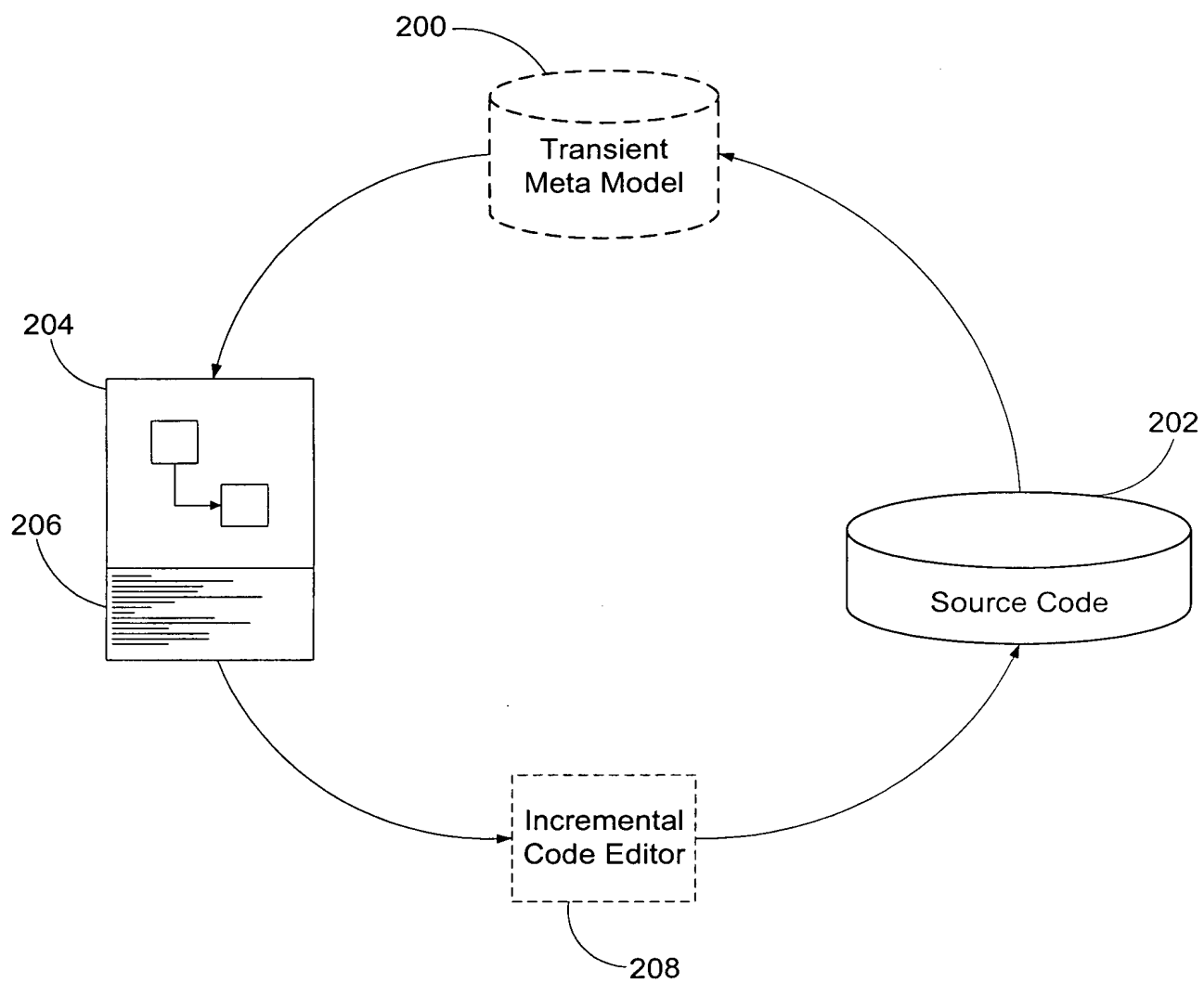


FIG. 2

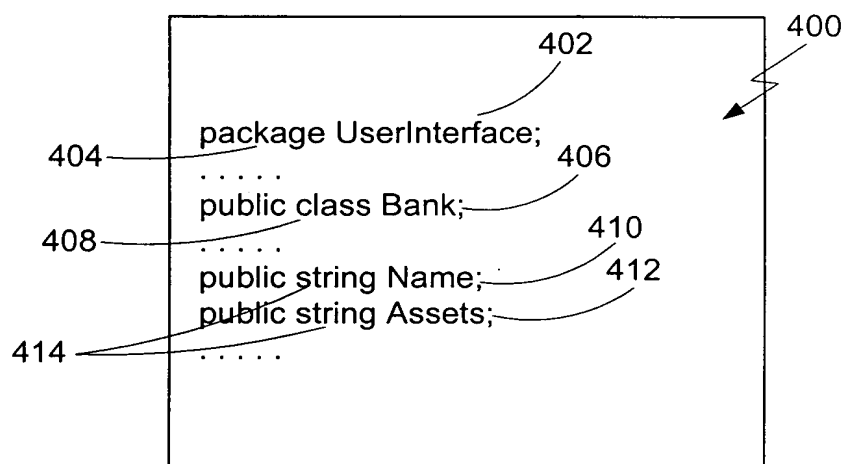
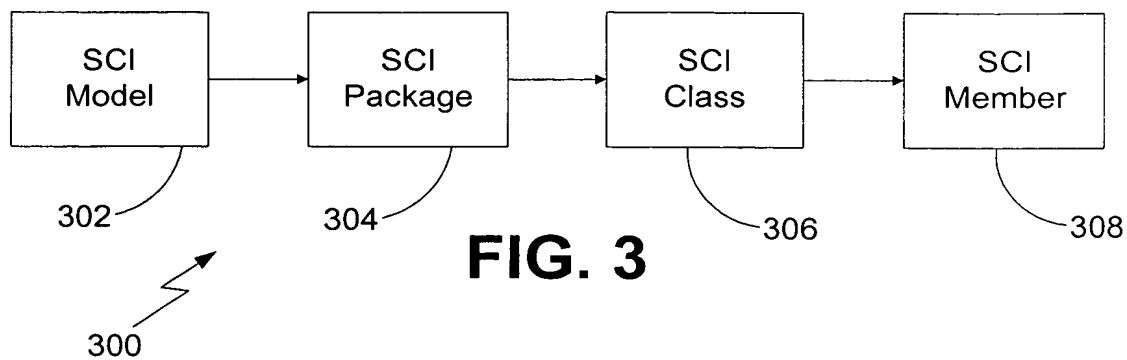
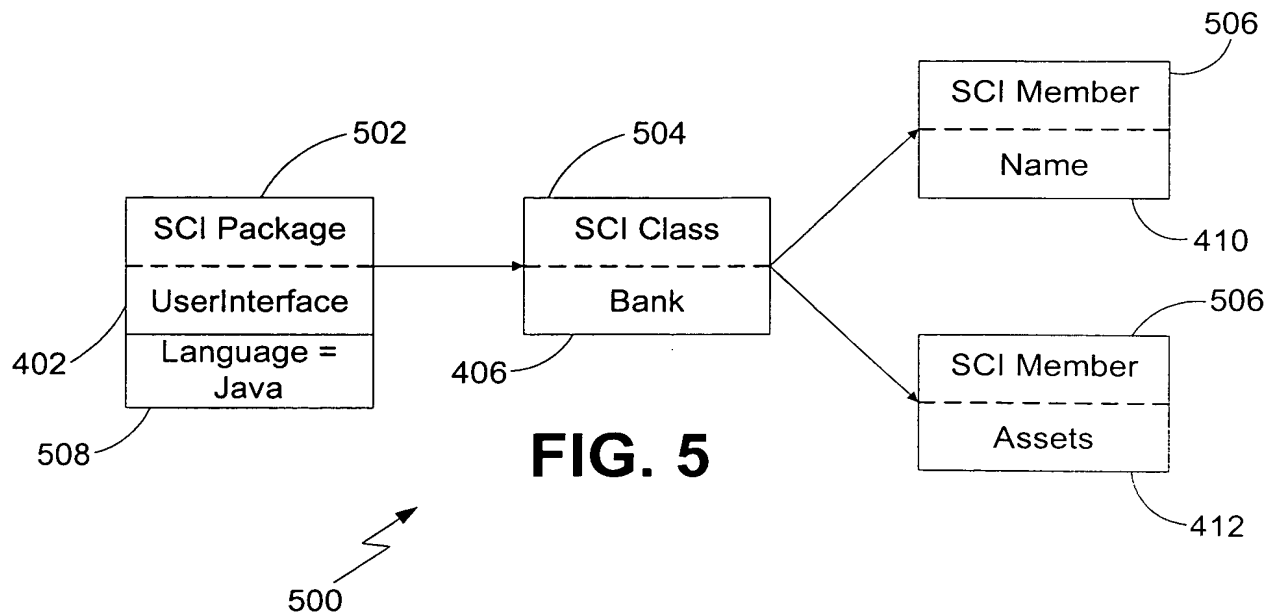


FIG. 4



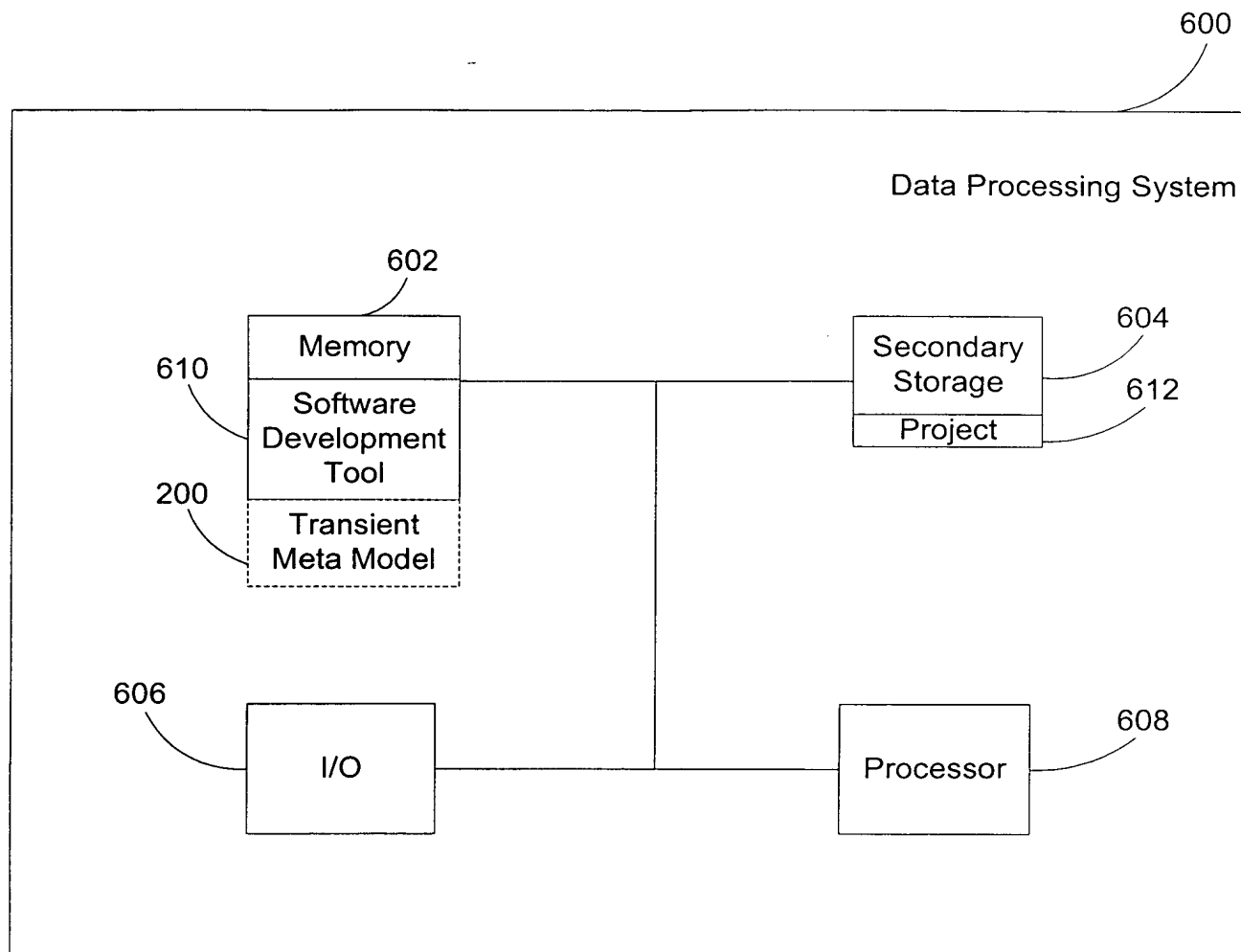


FIG. 6

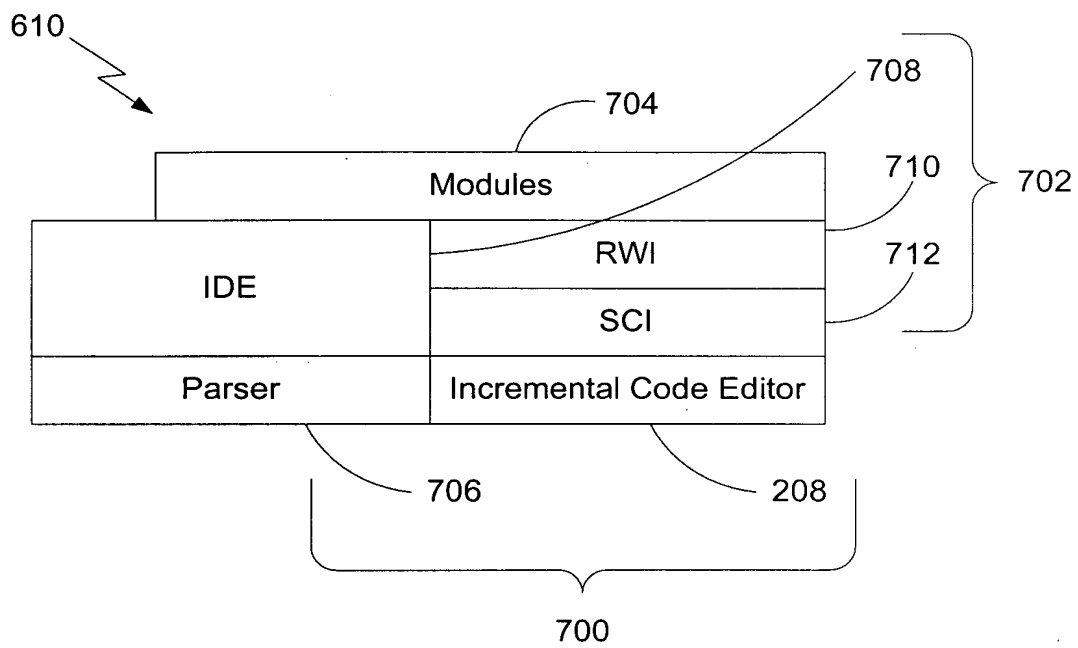


FIG. 7

QA Audit

Title	Abbreviation	Chosen
<input type="checkbox"/> Coding Style		<input checked="" type="checkbox"/>
Access Of Static Members Through Objects	AOSMTO	<input checked="" type="checkbox"/>
Assignment To Formal Parameters	ATFP	<input checked="" type="checkbox"/>
Complex Assignment	CA	<input checked="" type="checkbox"/>
Don't Use the Negation Operator Frequently	DUNOF	<input checked="" type="checkbox"/>
Operator '?' May Not Be Used	OMNBU	<input checked="" type="checkbox"/>
Provide Incremental In For-Statement or use w...	PIFS	<input checked="" type="checkbox"/>
Replacement For Demand Imports	RFDI	<input checked="" type="checkbox"/>
Use Abbreviated Assignment Operator	UAAO	<input checked="" type="checkbox"/>
Use 'this' Explicitly To Access Class Members	UTETACM	<input checked="" type="checkbox"/>
<input type="checkbox"/> Critical Errors		<input checked="" type="checkbox"/>
Avoid Hiding Inherited Attributes	AHIA	<input checked="" type="checkbox"/>
Avoid Hiding Inherited Static Methods	AHISM	<input checked="" type="checkbox"/>
Command Query Separation	CQS	<input checked="" type="checkbox"/>
Hiding Of Names	HON	<input checked="" type="checkbox"/>
Inaccessible Constructor Or Method Matches	ICOMM	<input checked="" type="checkbox"/>
Multiple Visible Declarations With Same Name	MVDWSN	<input checked="" type="checkbox"/>
Overriding a Non-Abstract Method With an Ab...	ONAMVAM	<input checked="" type="checkbox"/>
Overriding a Private Method	OPM	<input checked="" type="checkbox"/>

Severity: High

800
802

Select all Unselect all Set defaults Save set As... Load set...

AOSMTO - Access Of Static Members Through Objects

804

Static members should be referenced through class names rather than through objects.

Start Cancel Help

FIG. 8A

806

QA Audit

Title	Abbreviation	Chosen
Complex Assignment	CA	<input checked="" type="checkbox"/>
Don't Use the Negation Operator Frequently	DUNOF	<input checked="" type="checkbox"/>
Operator '?' May Not Be Used	OMNBU	<input checked="" type="checkbox"/>
Provide Incremental In For-Statement or use w...	PIIFS	<input checked="" type="checkbox"/>
Replacement For Demand Imports	RFDI	<input checked="" type="checkbox"/>
Use Abbreviated Assignment Operator	UAAO	<input checked="" type="checkbox"/>

Severity: Normal ▼

Select all Unselect all Set defaults Save set As... Load set...

CA - Complex Assignment

Checks for the occurrence of multiple assignments and assignments to variables within the same expression. Too complex assignments should be avoided since they decrease program readability.

Wrong

```
// compound assignment
i *= j++;
k = j = 10;
l = j += 15;
// nested assignment
i = j++ + 20;
i = (j = 25) + 30;
```

Tip: Break statement into several ones.

Start Cancel Help

FIG. 8B

806

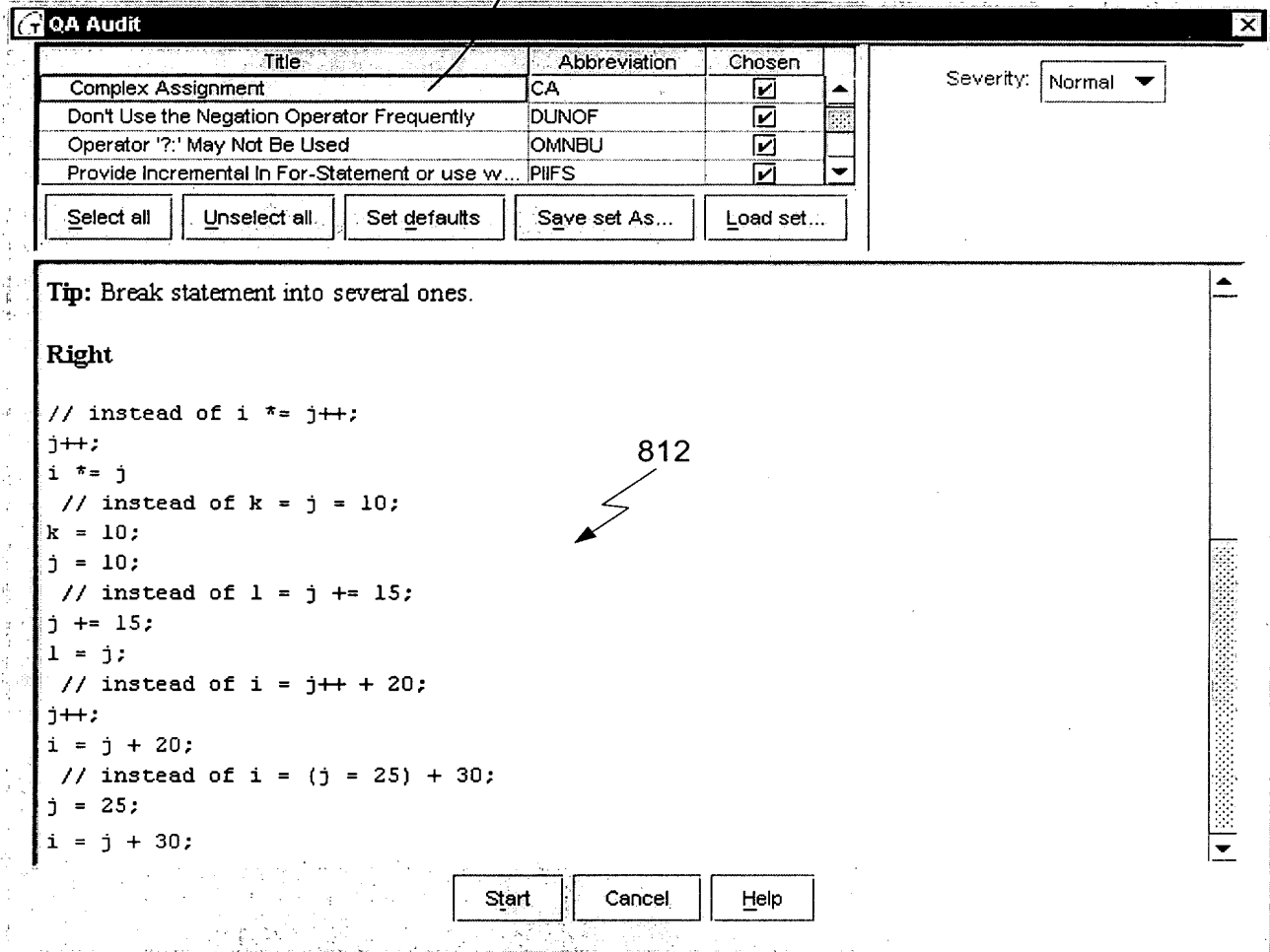


FIG. 8C

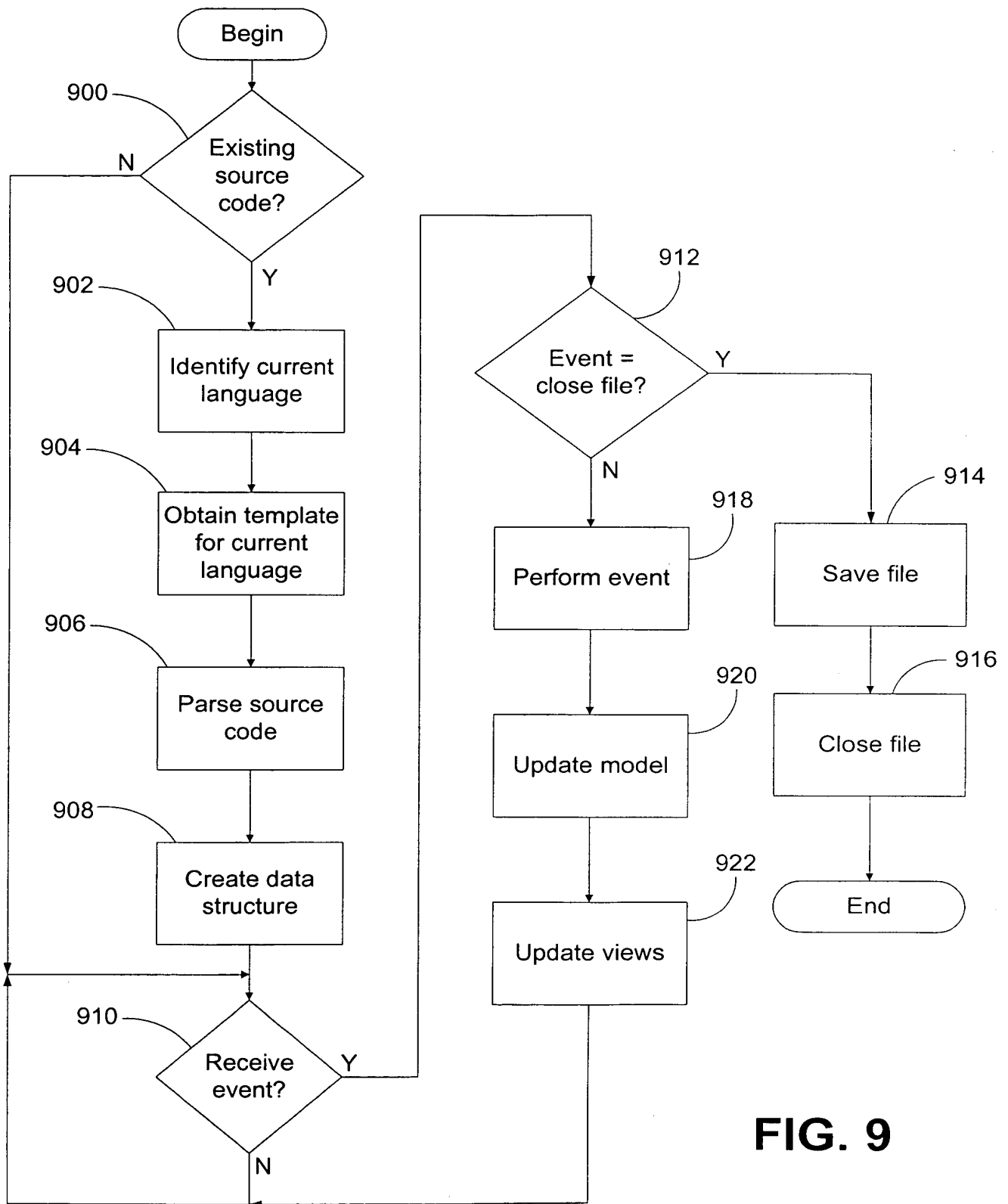


FIG. 9

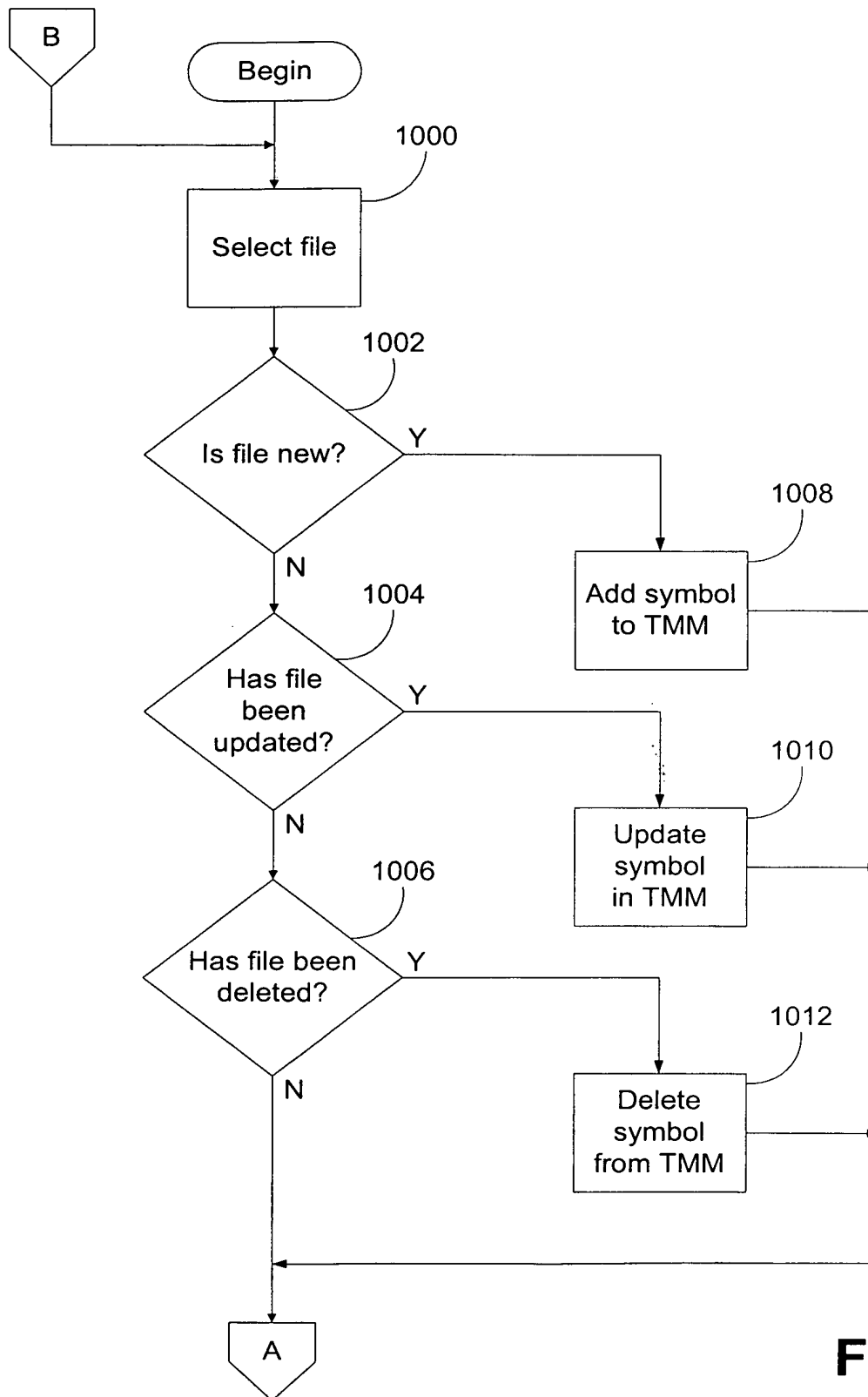


FIG. 10A

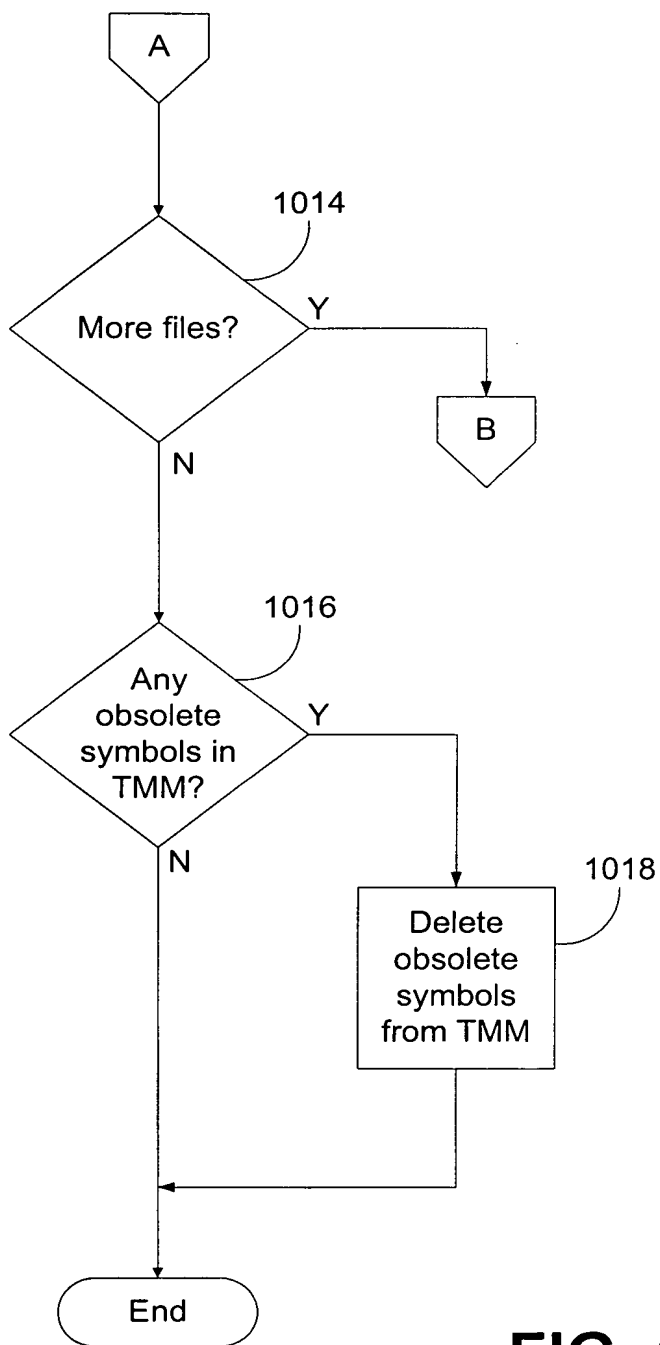


FIG. 10B

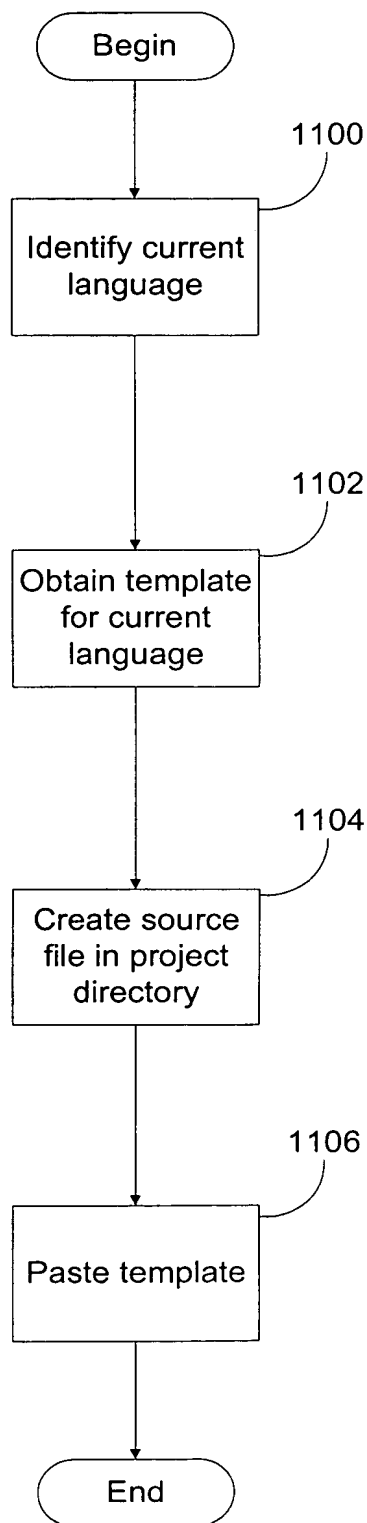


FIG. 11

FIG. 12

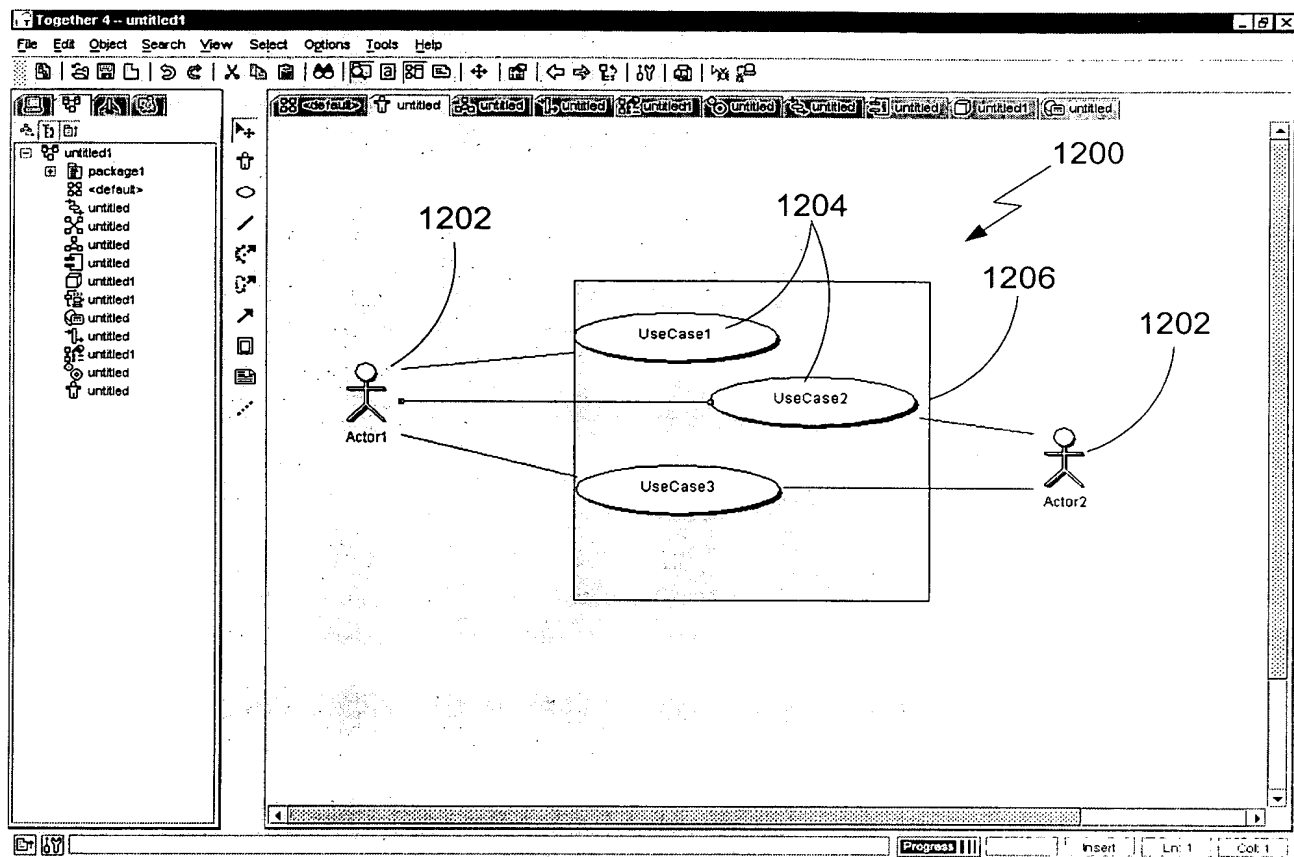


FIG. 12

FIG. 13

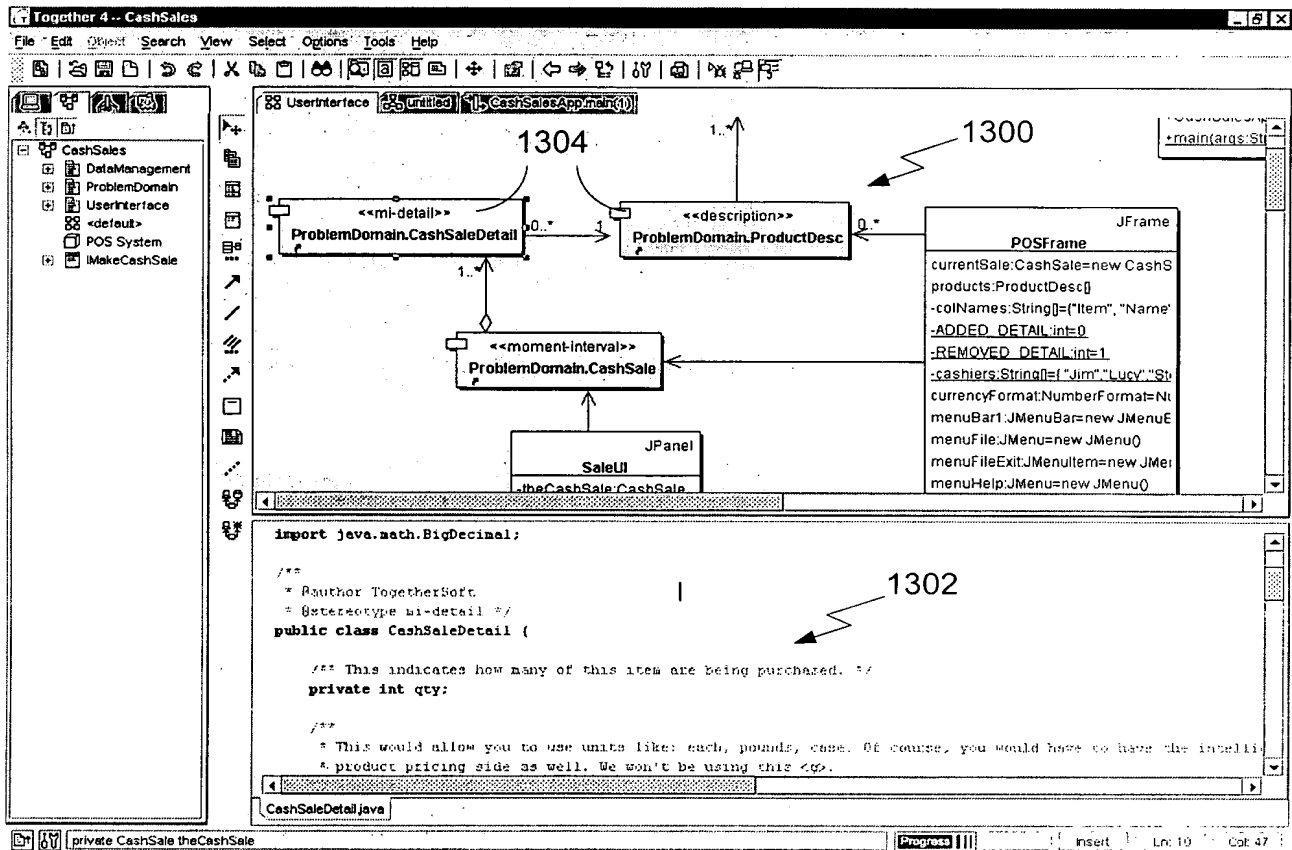


FIG. 13

FIG. 14

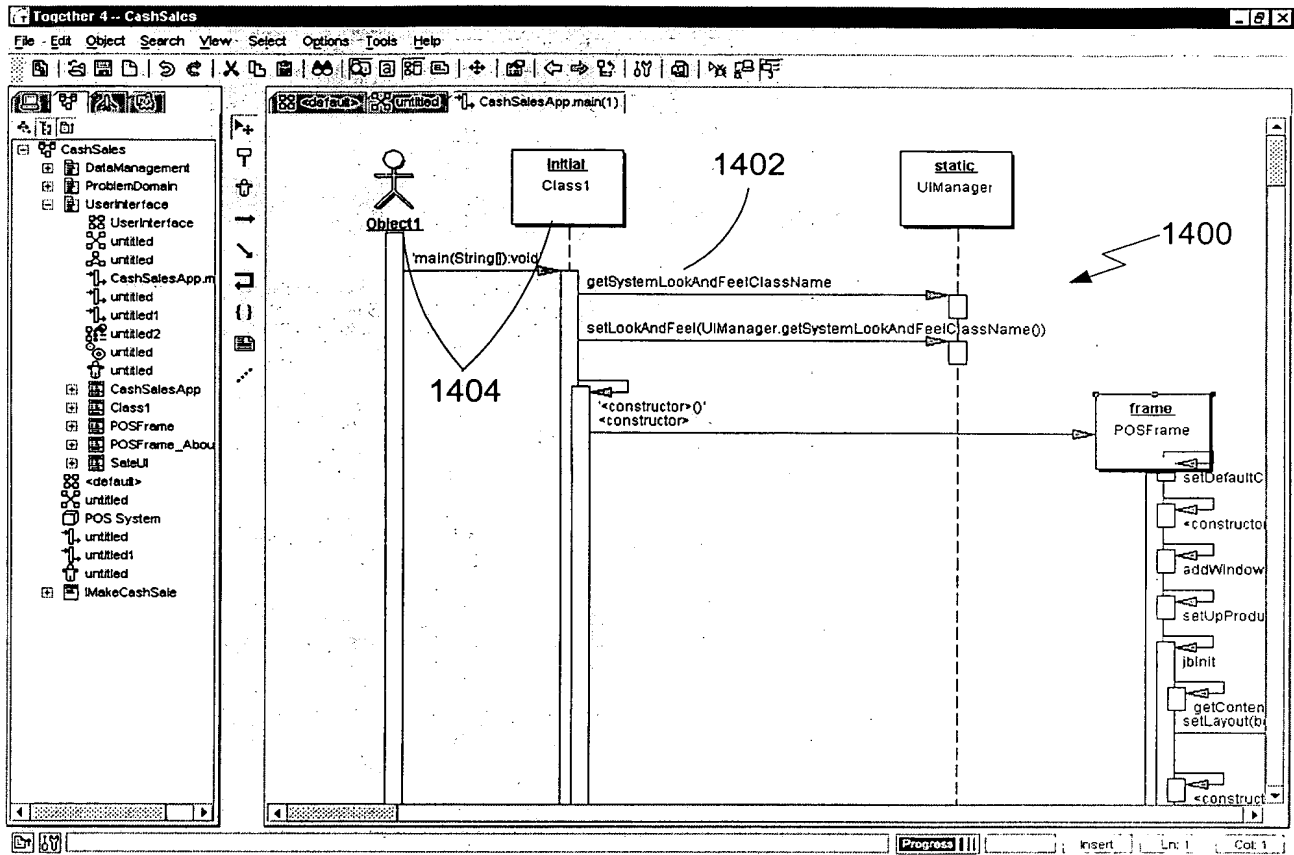


FIG. 14

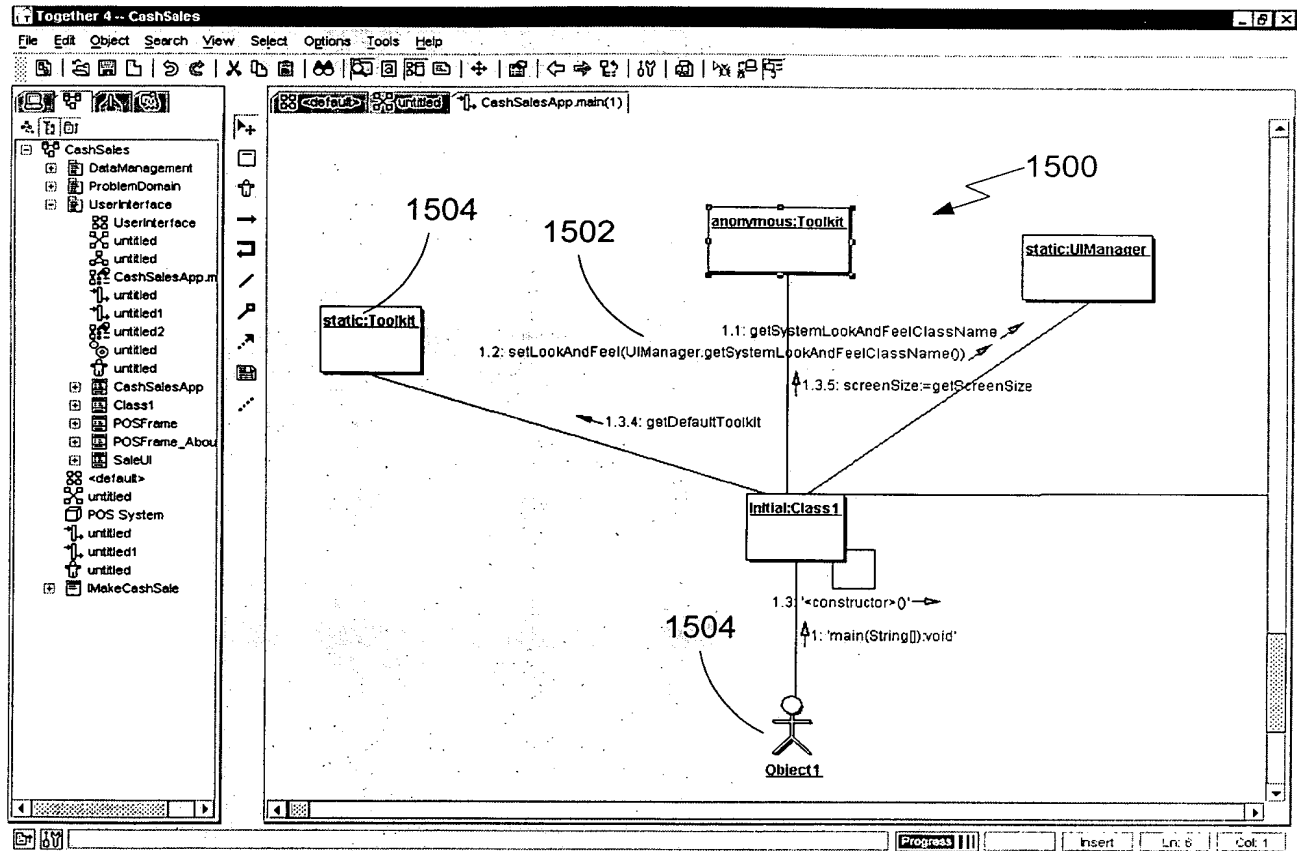


FIG. 15

FIG. 16

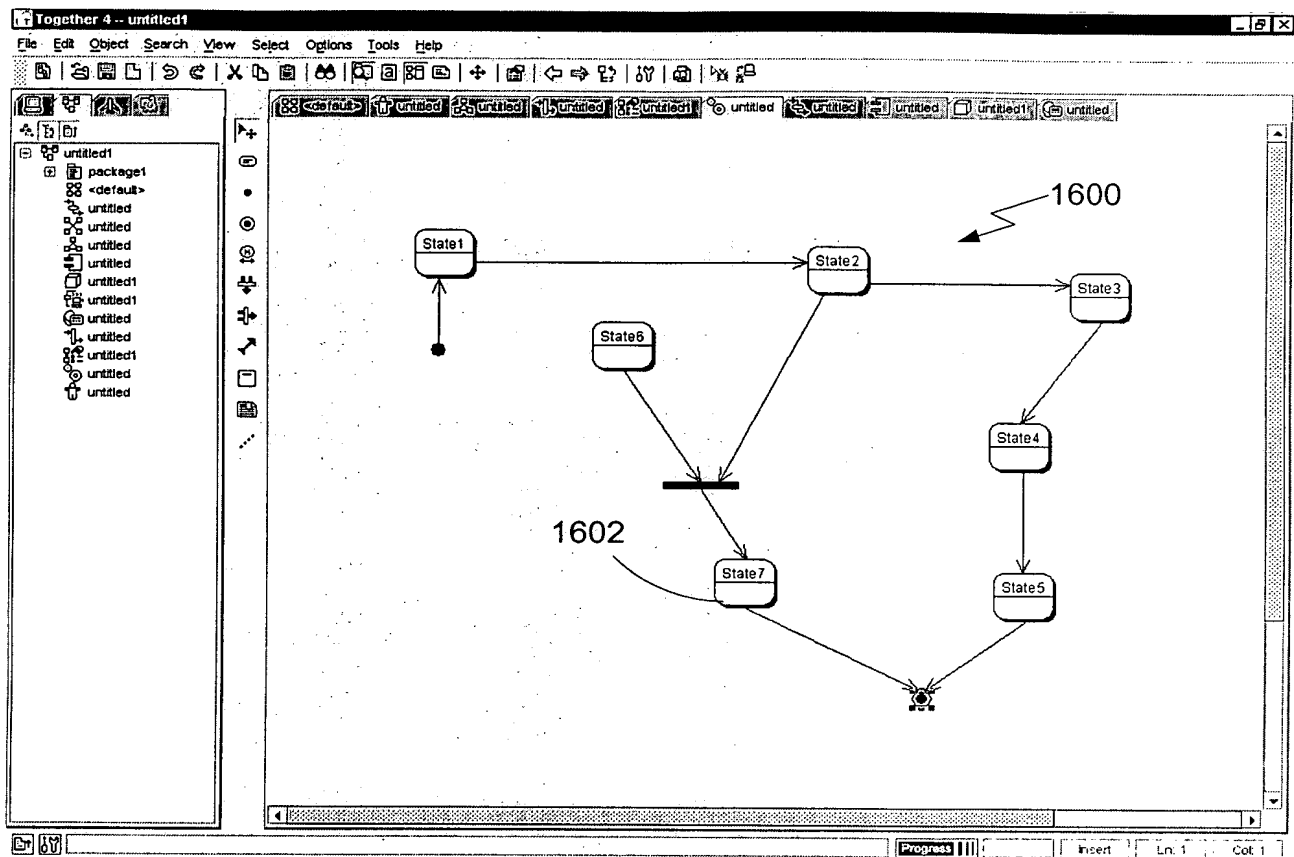


FIG. 16

FIG. 17

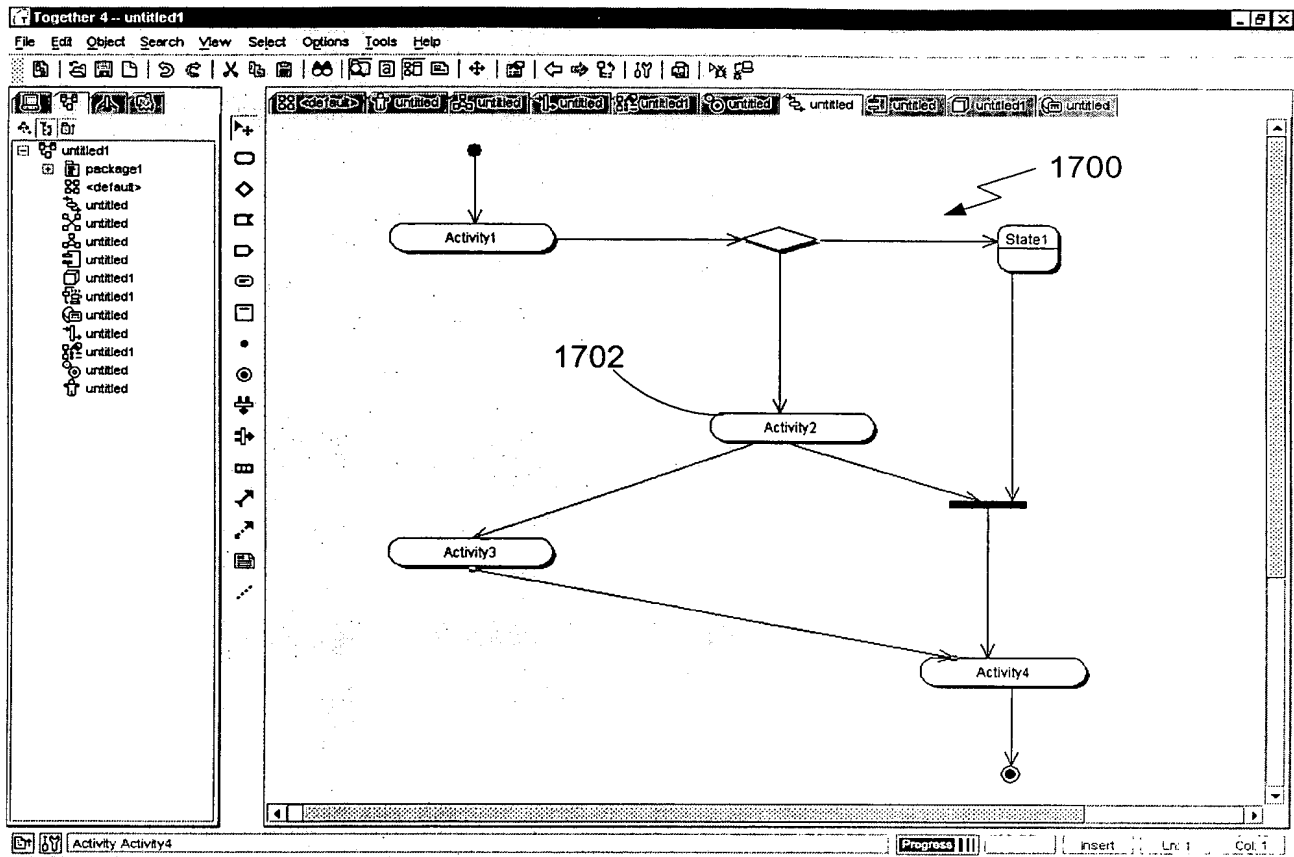


FIG. 17

1.000000 3750000

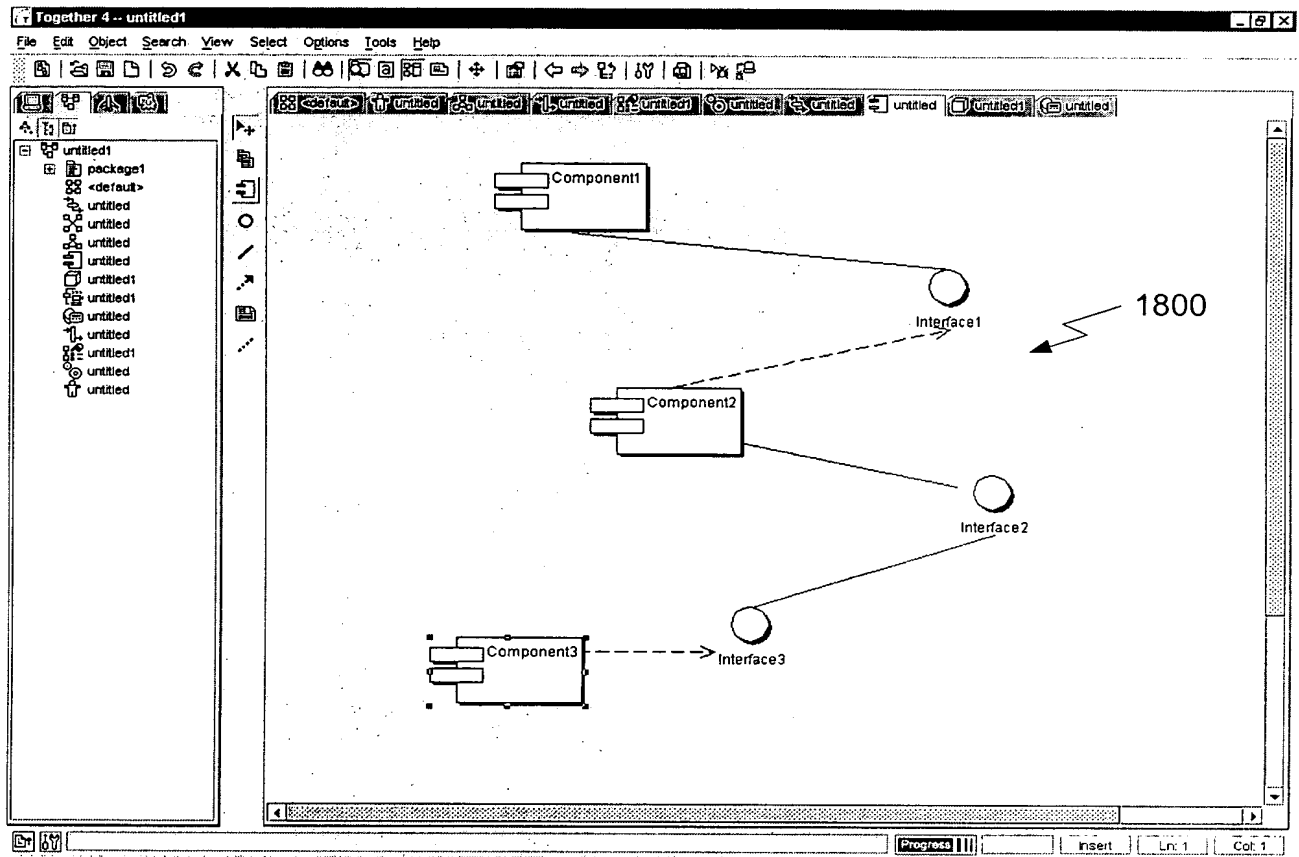


FIG. 18

FIG. 19

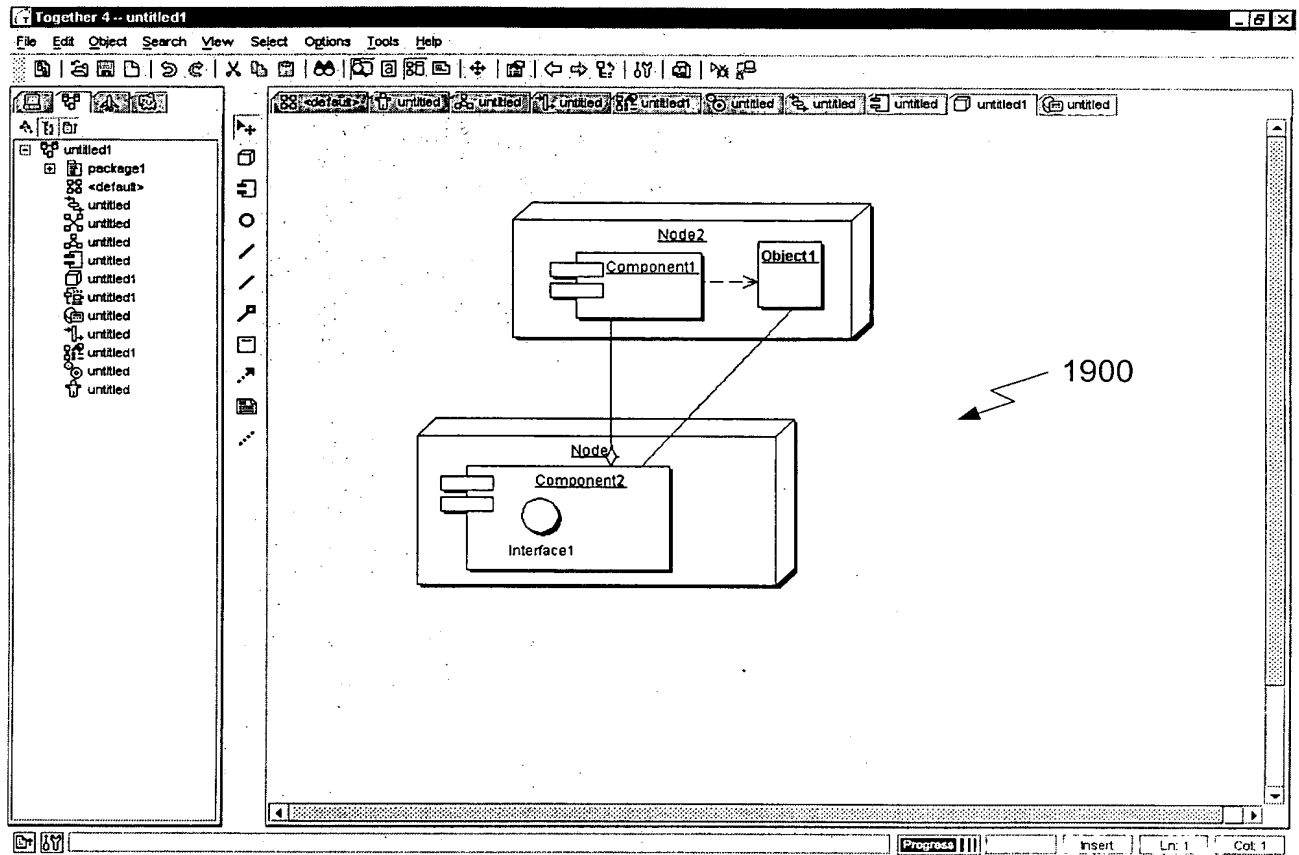


FIG. 19

FIG. 20

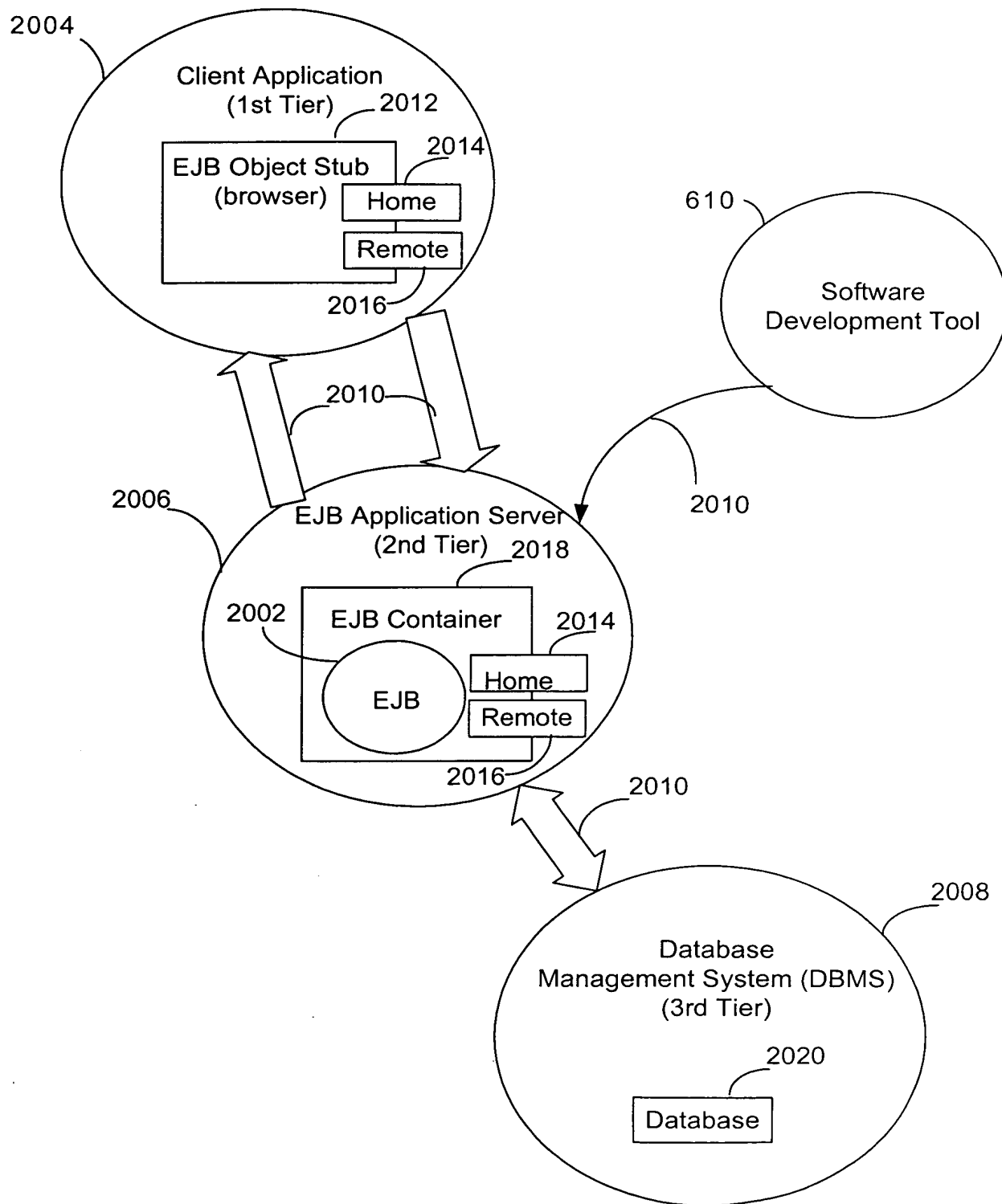
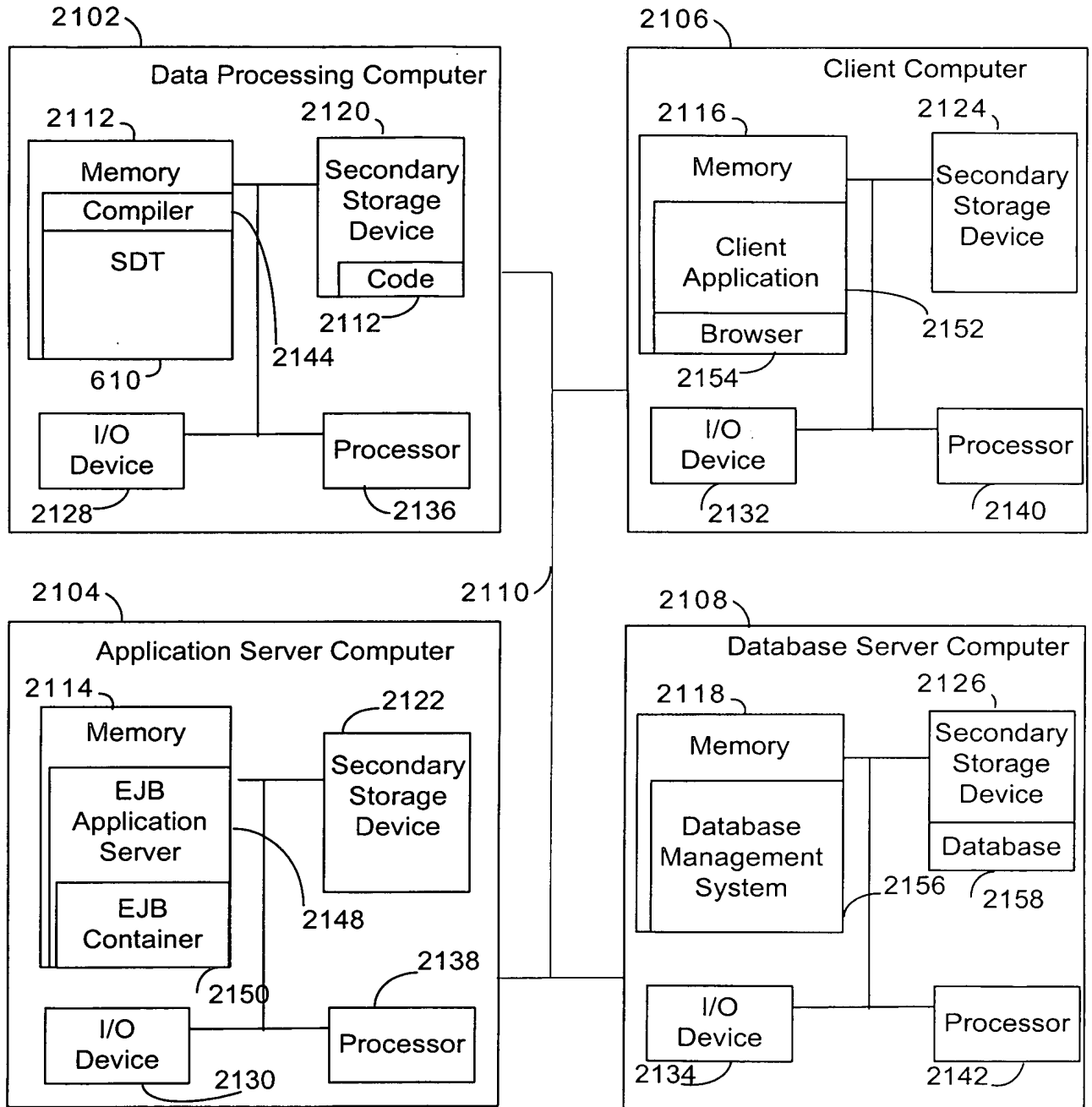


FIG. 21



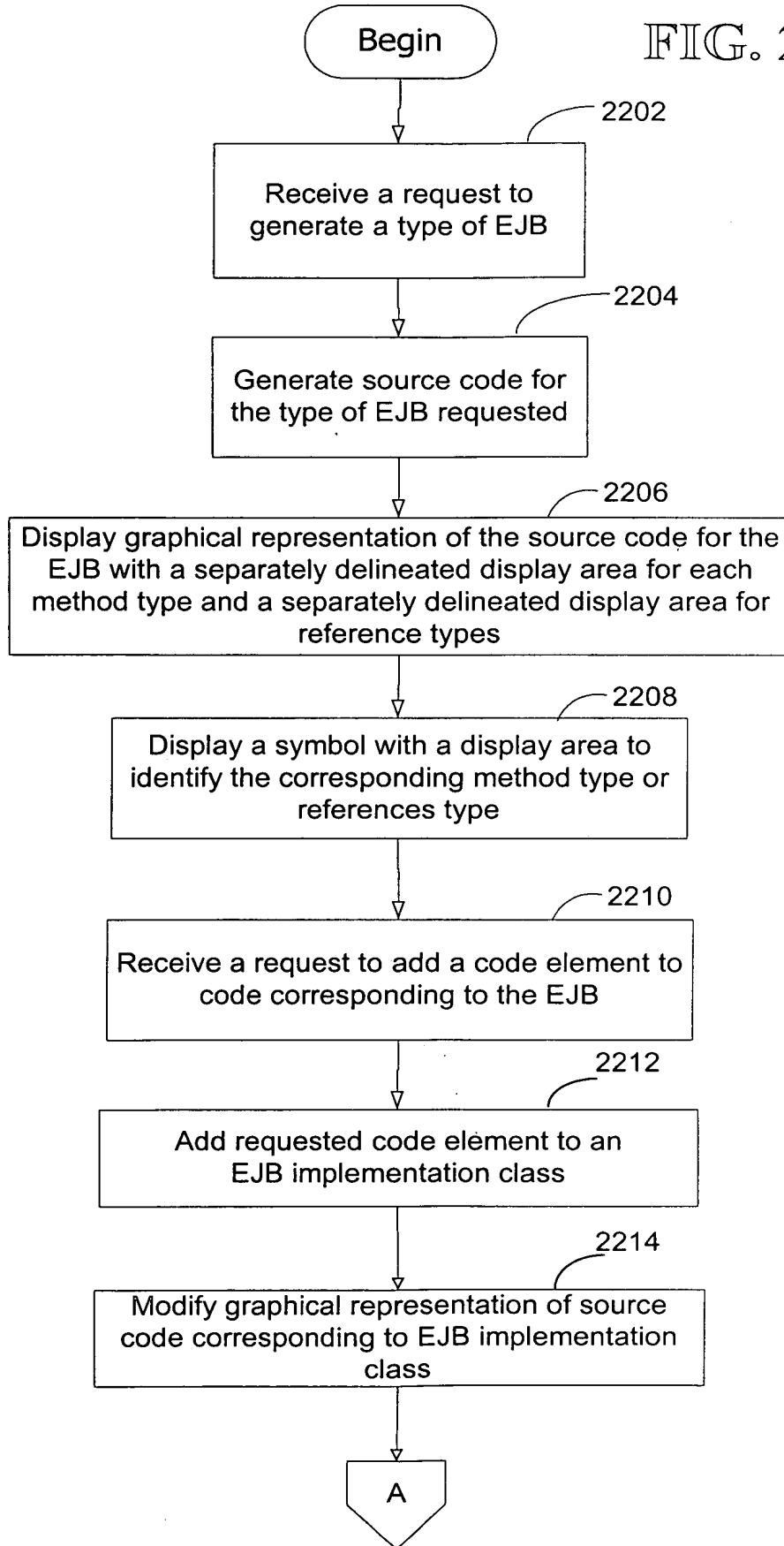


FIG. 22B

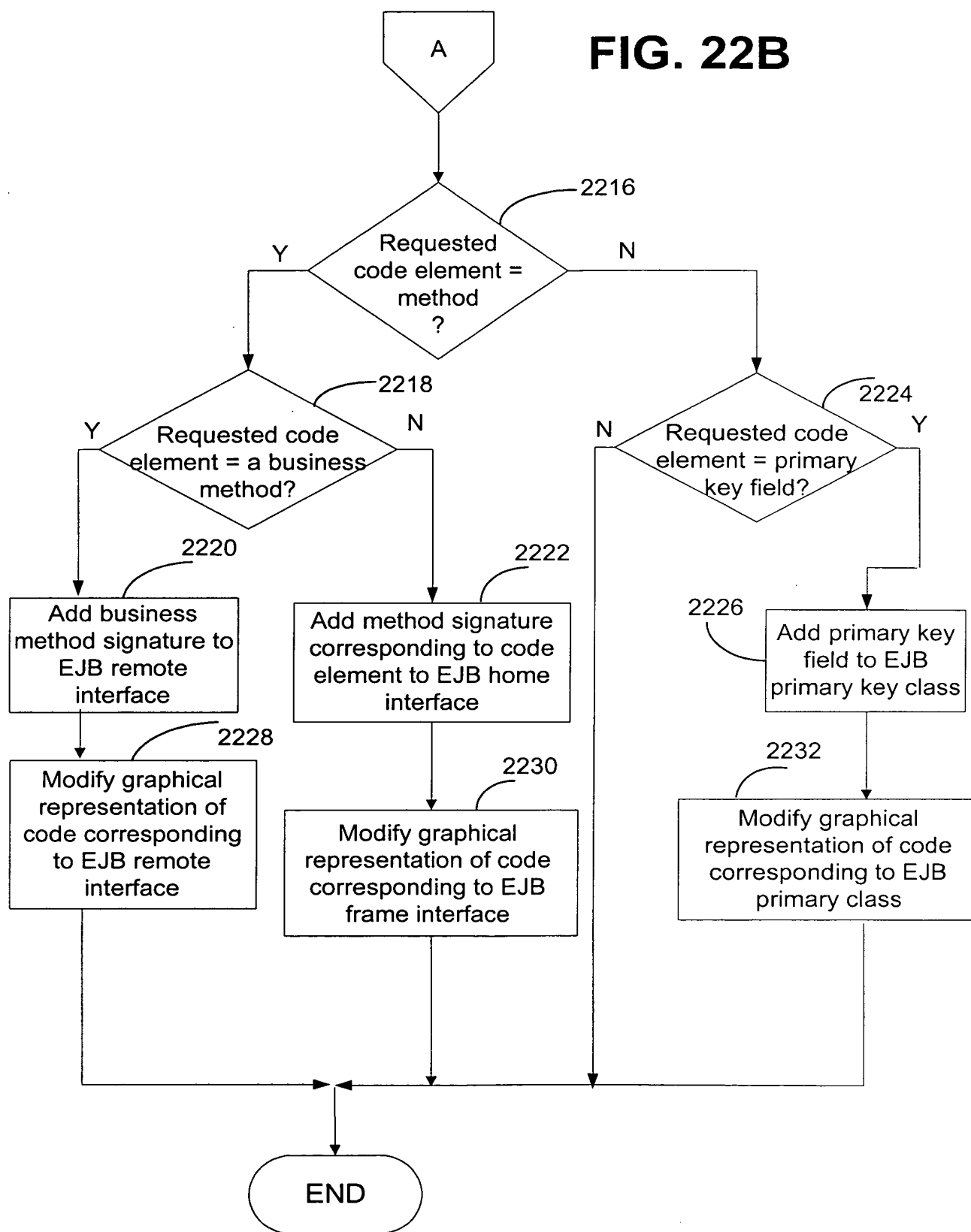


FIG. 23

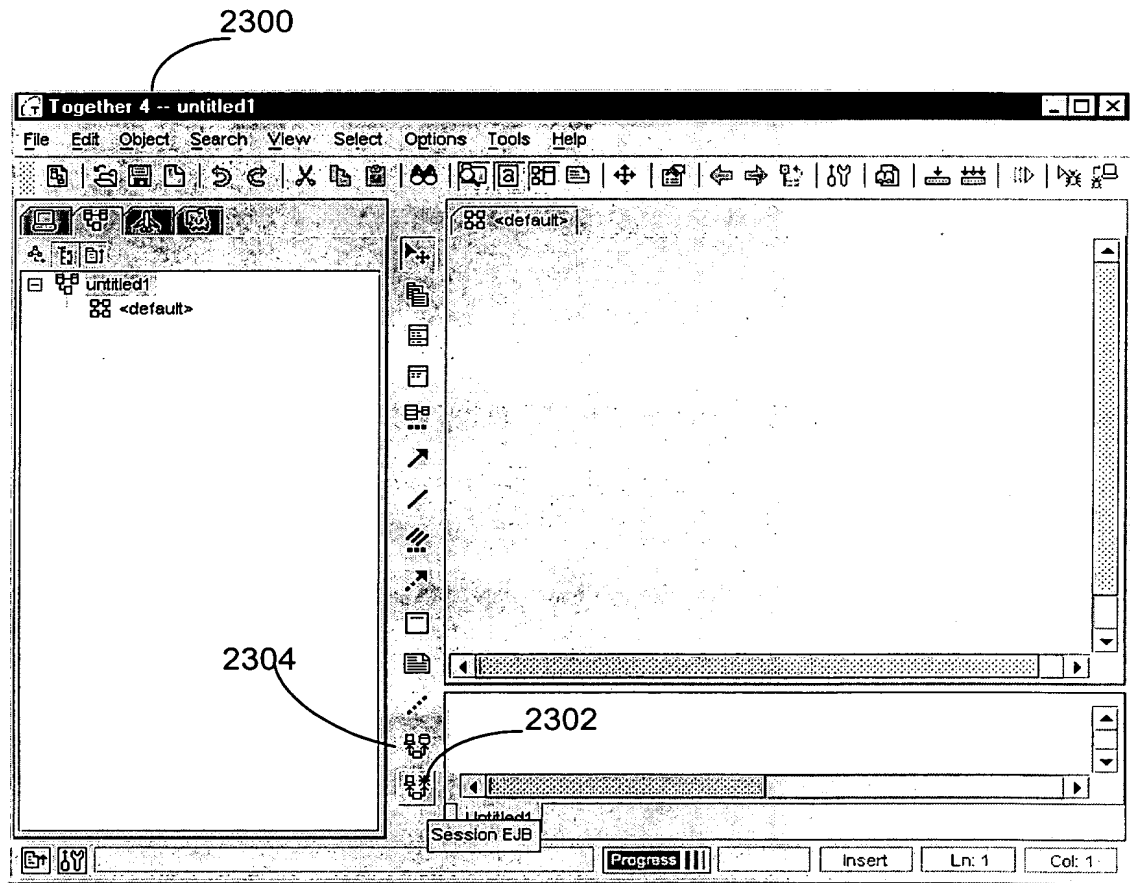


FIG. 24

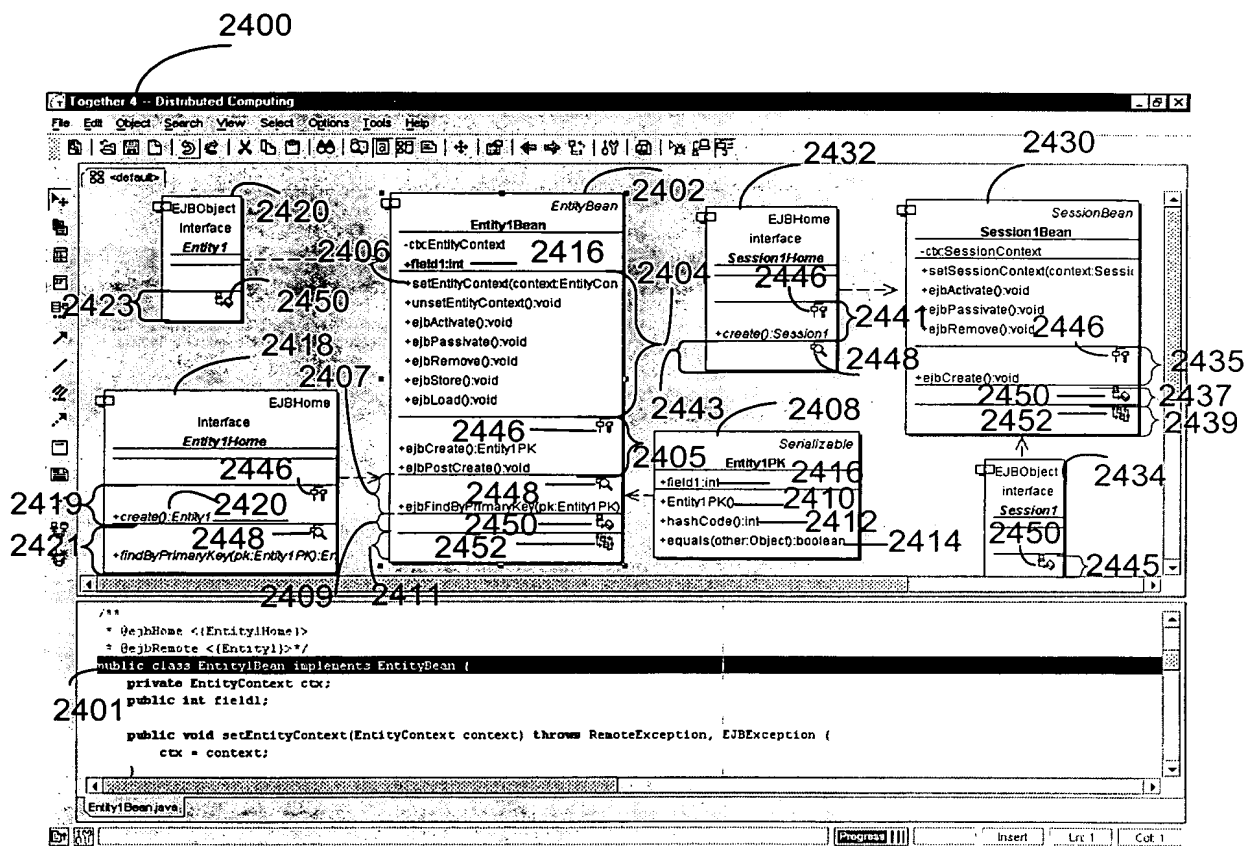


FIG. 25

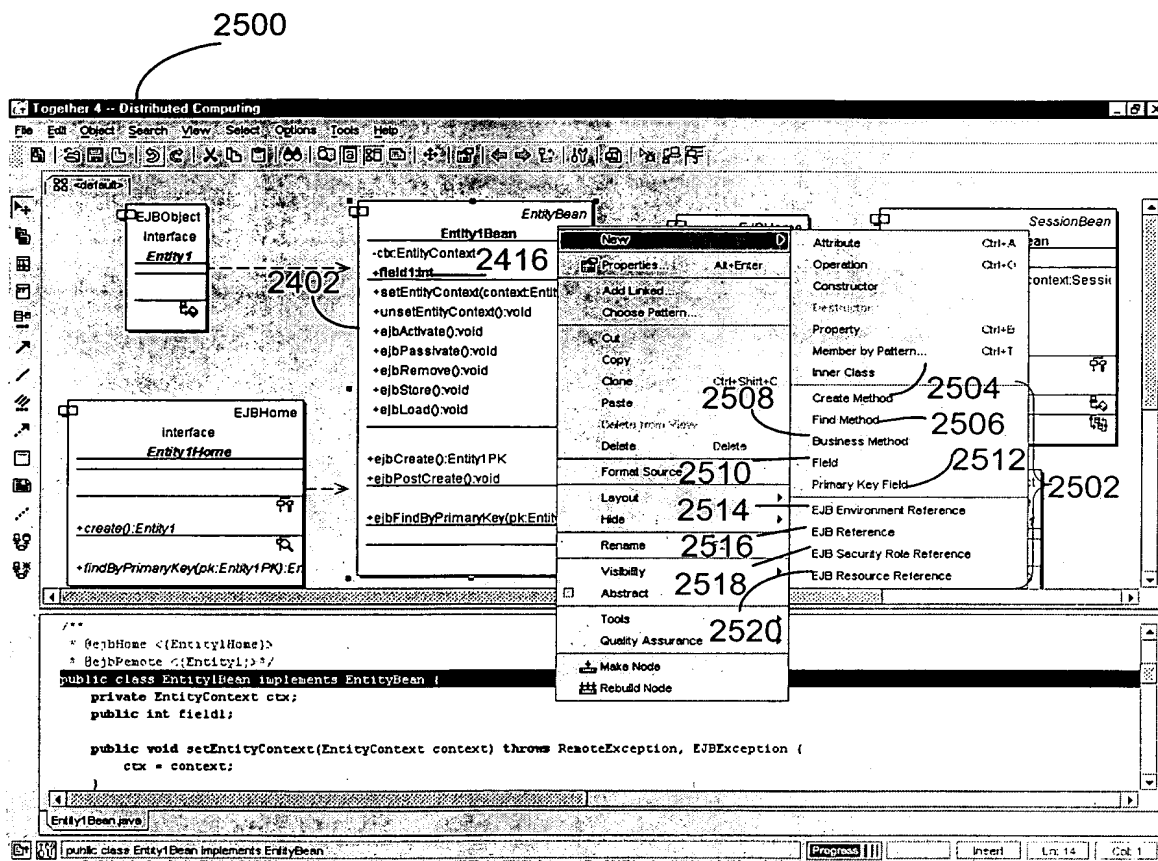


FIG. 26

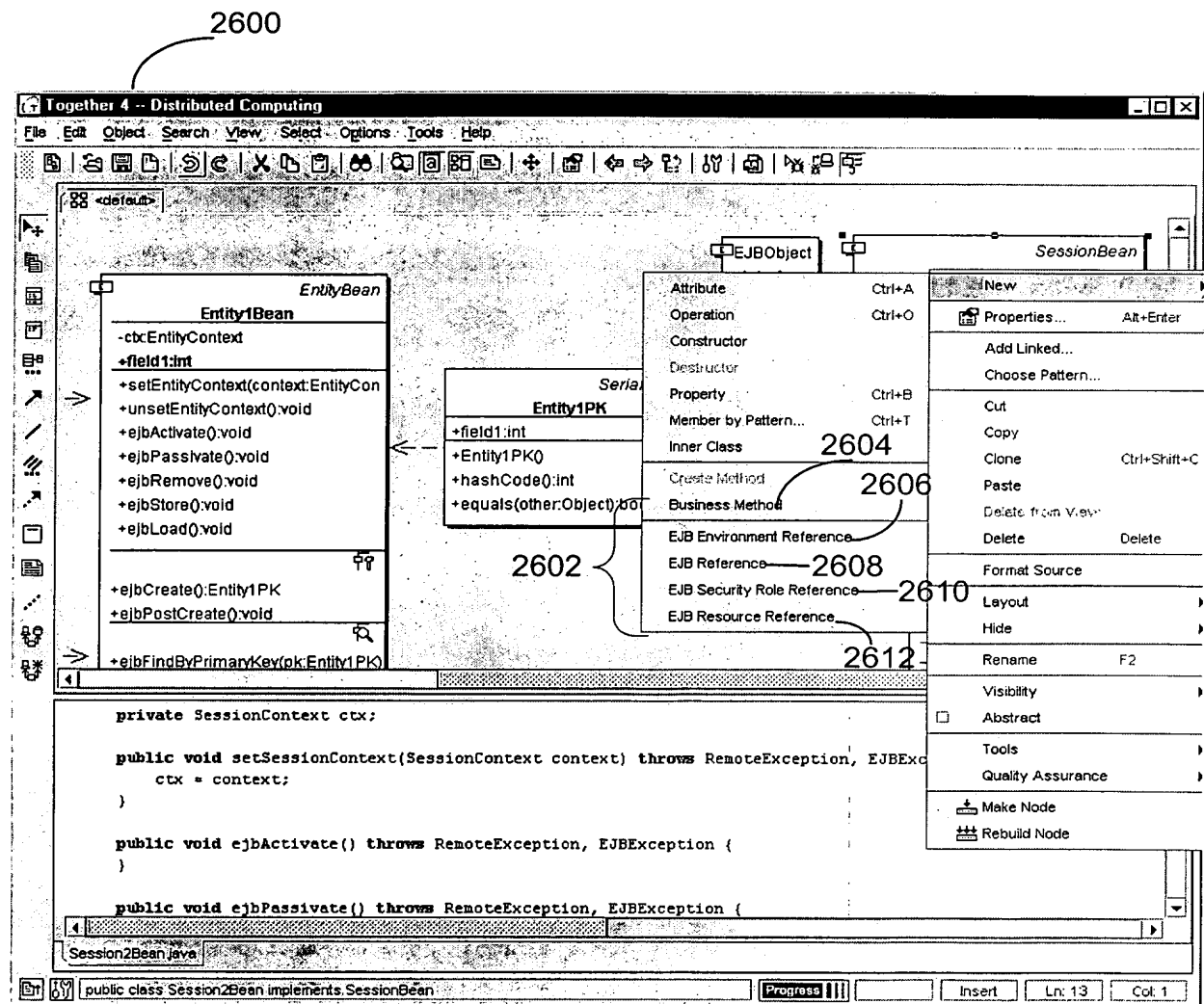


FIG. 27

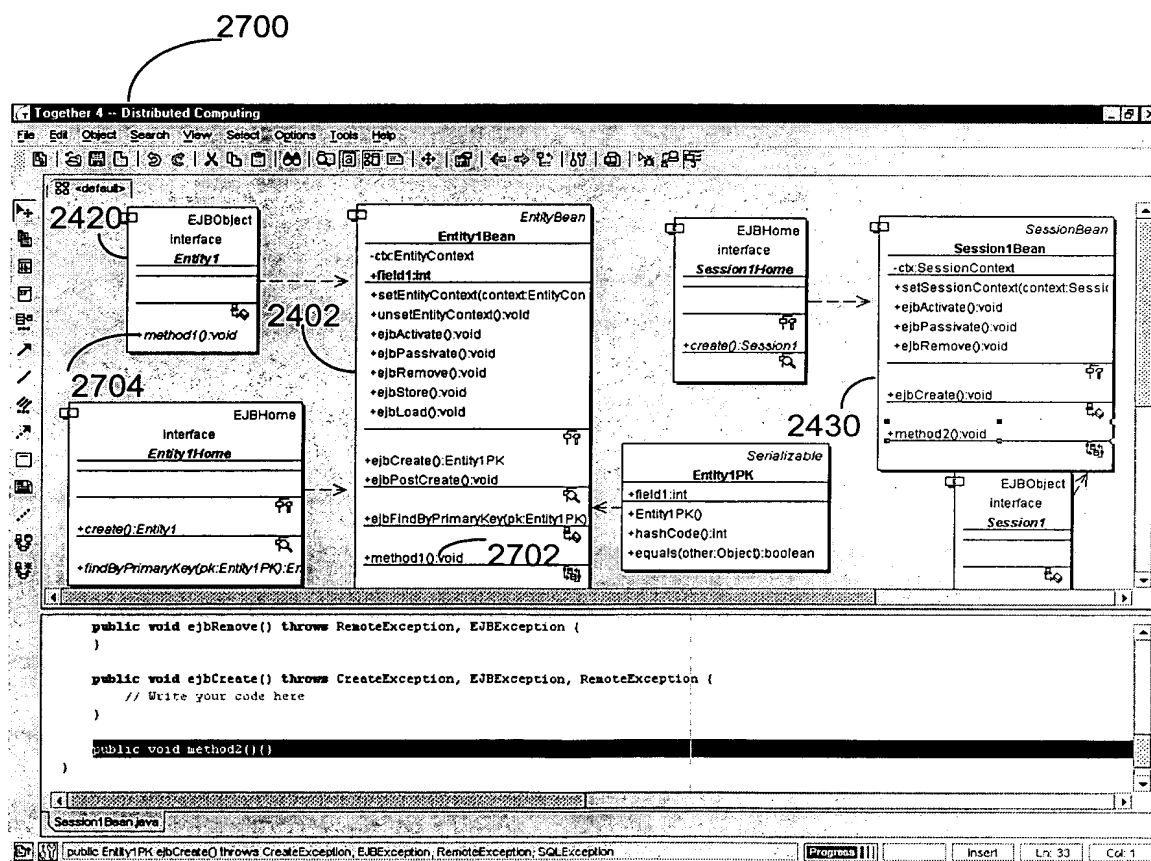


FIG. 28

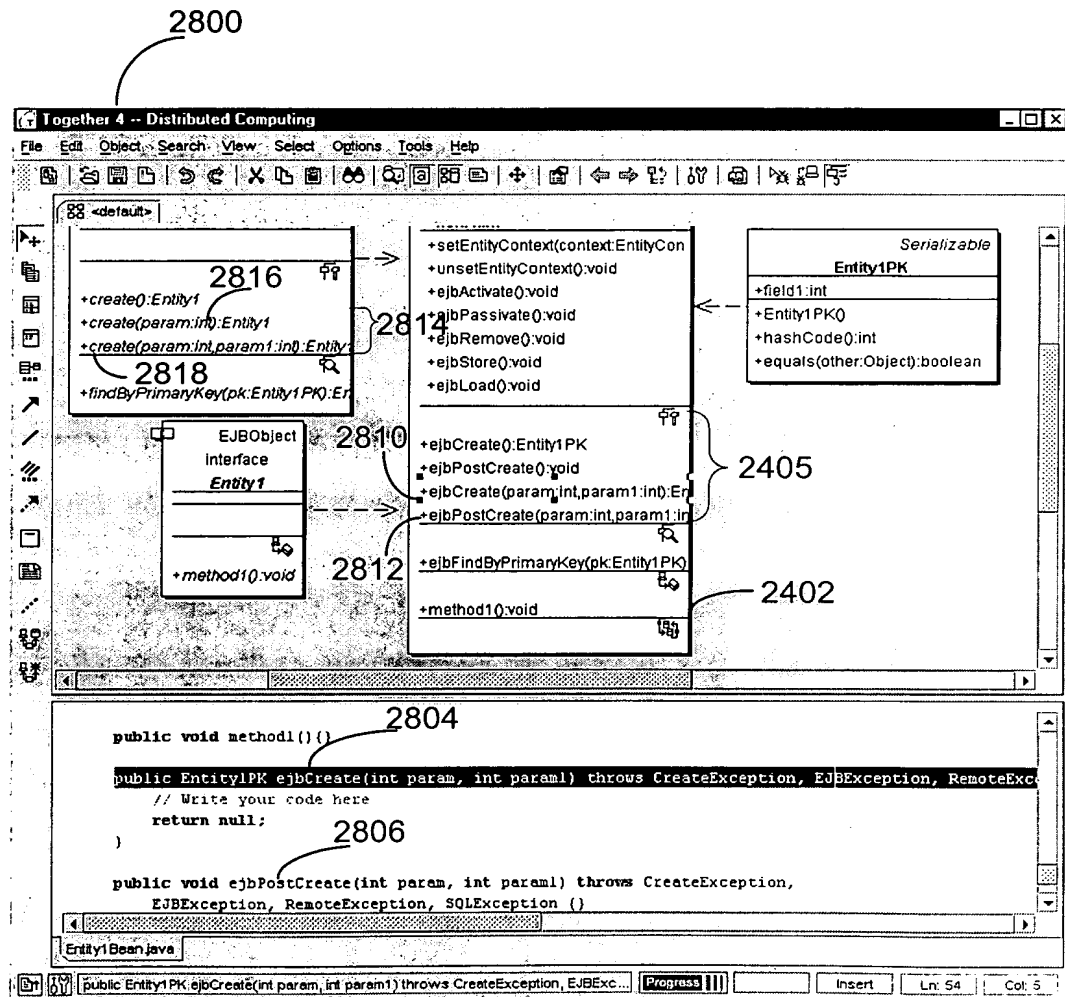


FIG. 29

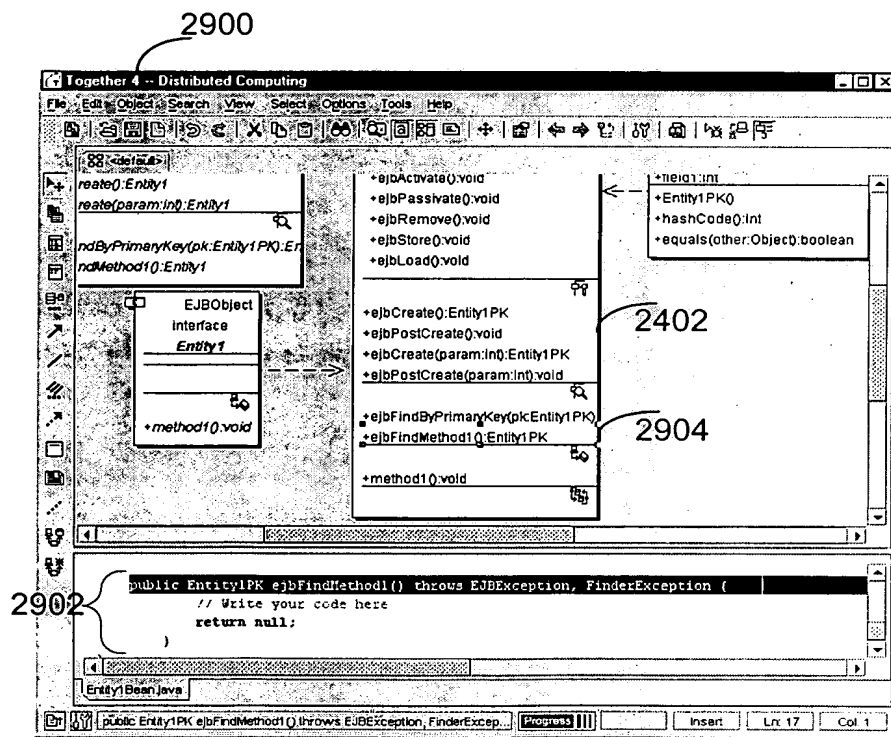


FIG. 30

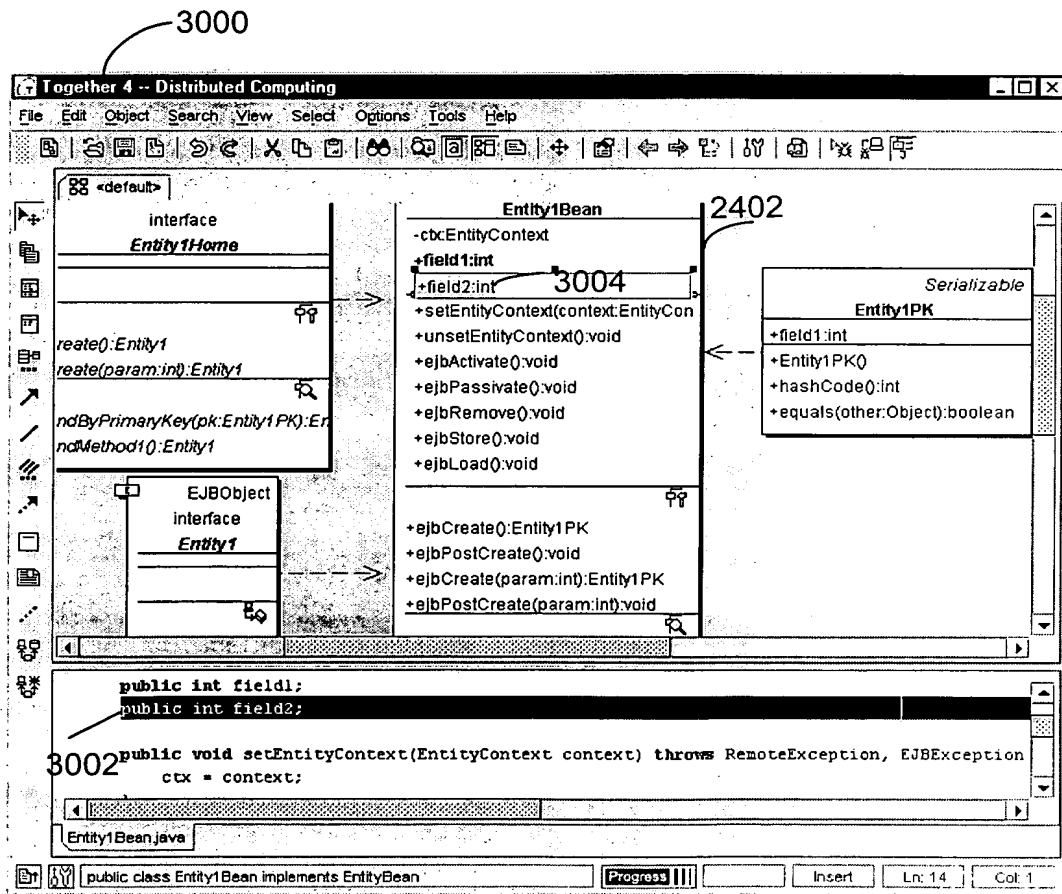


FIG. 31

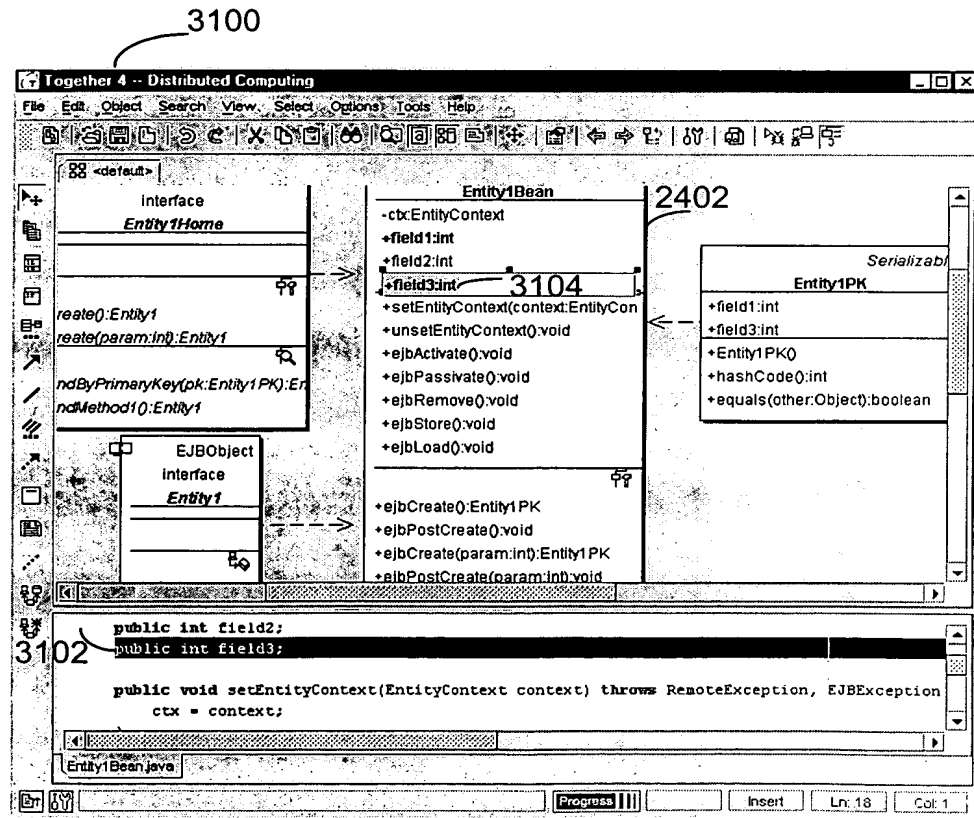


FIG. 32

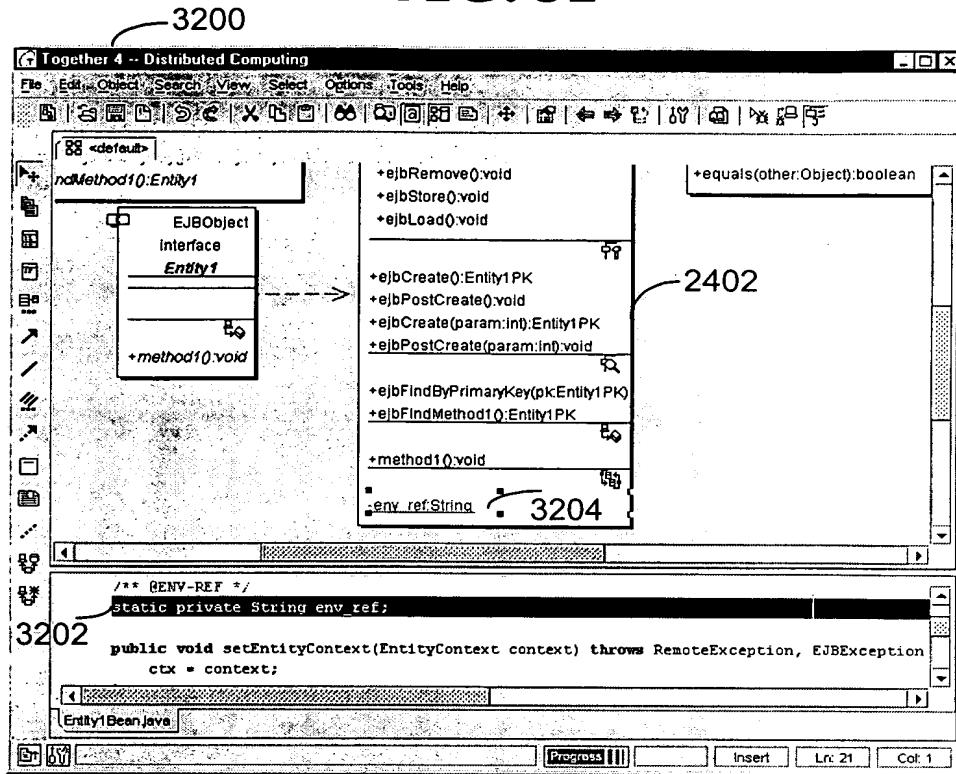
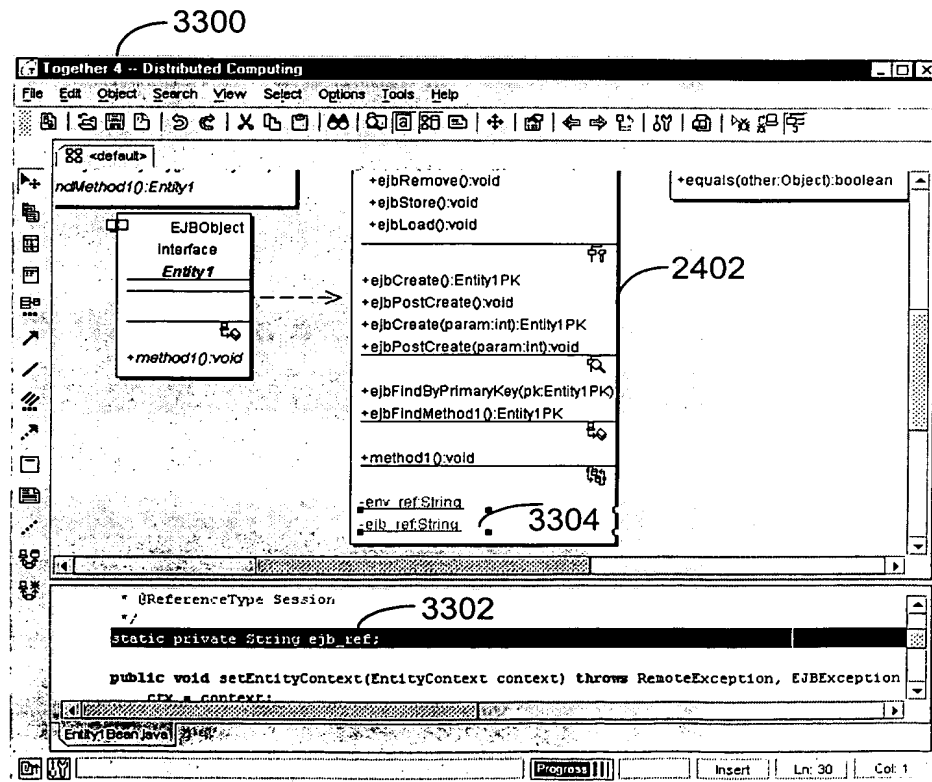


FIG. 33



3400

FIG. 34

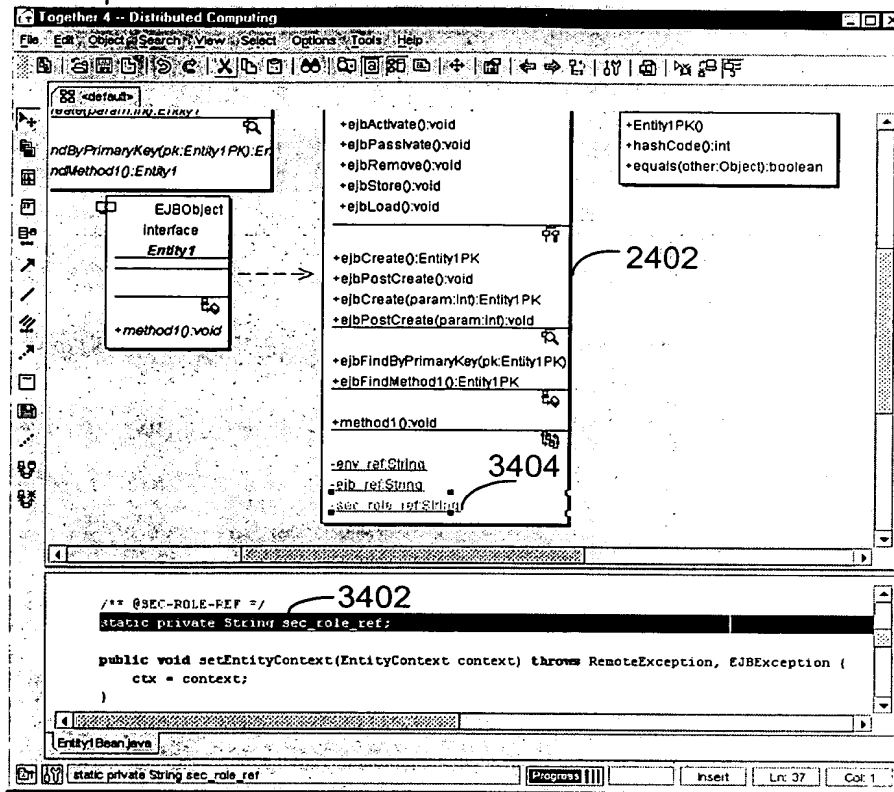


FIG. 35

3500

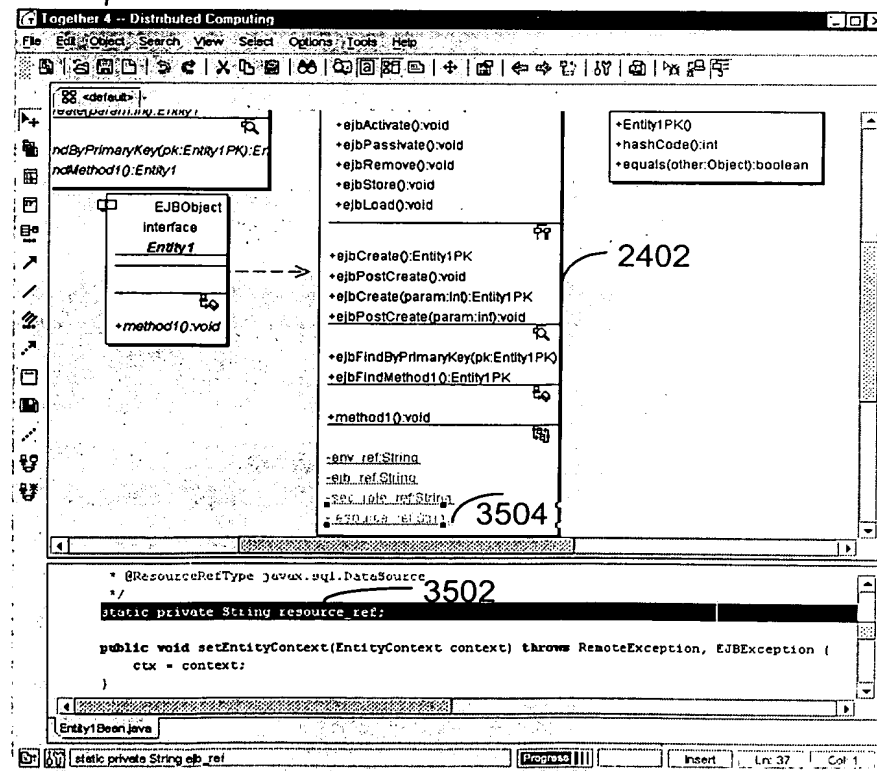
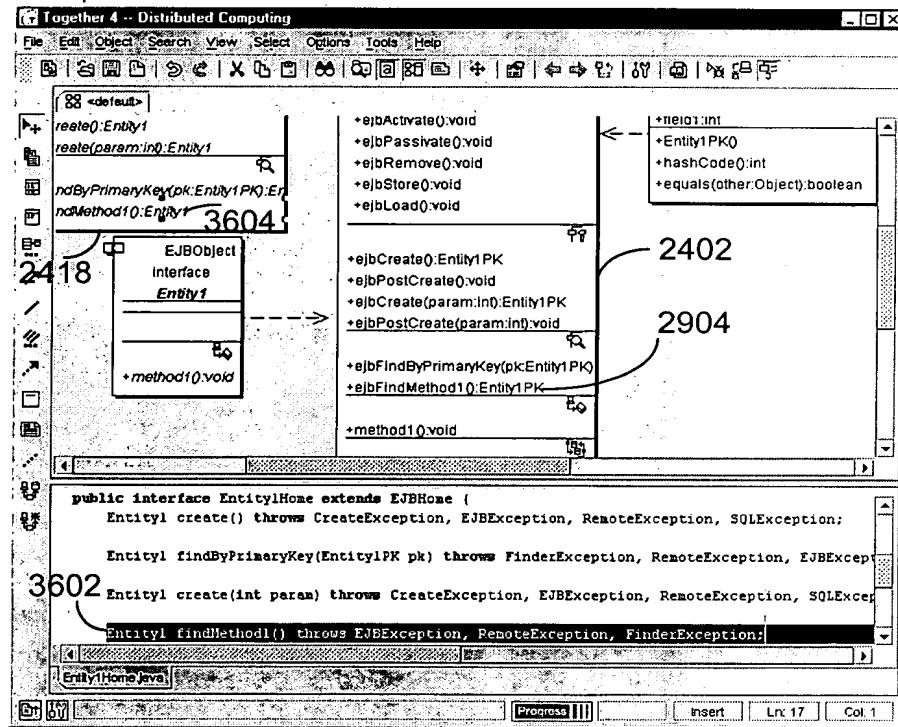


FIG. 36



3700

FIG. 37

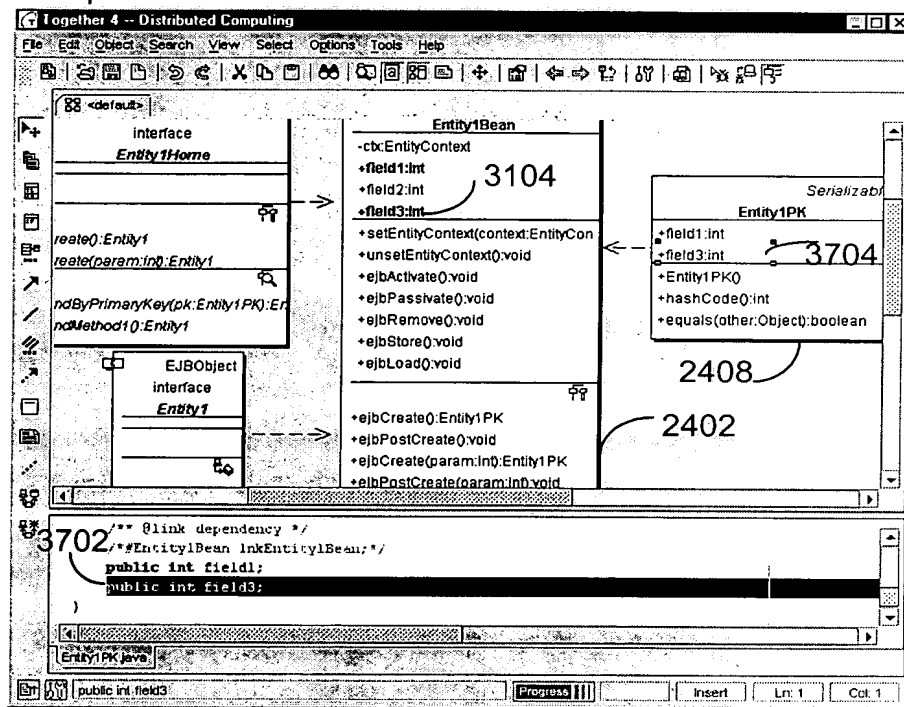


FIG. 37

FIG. 38A

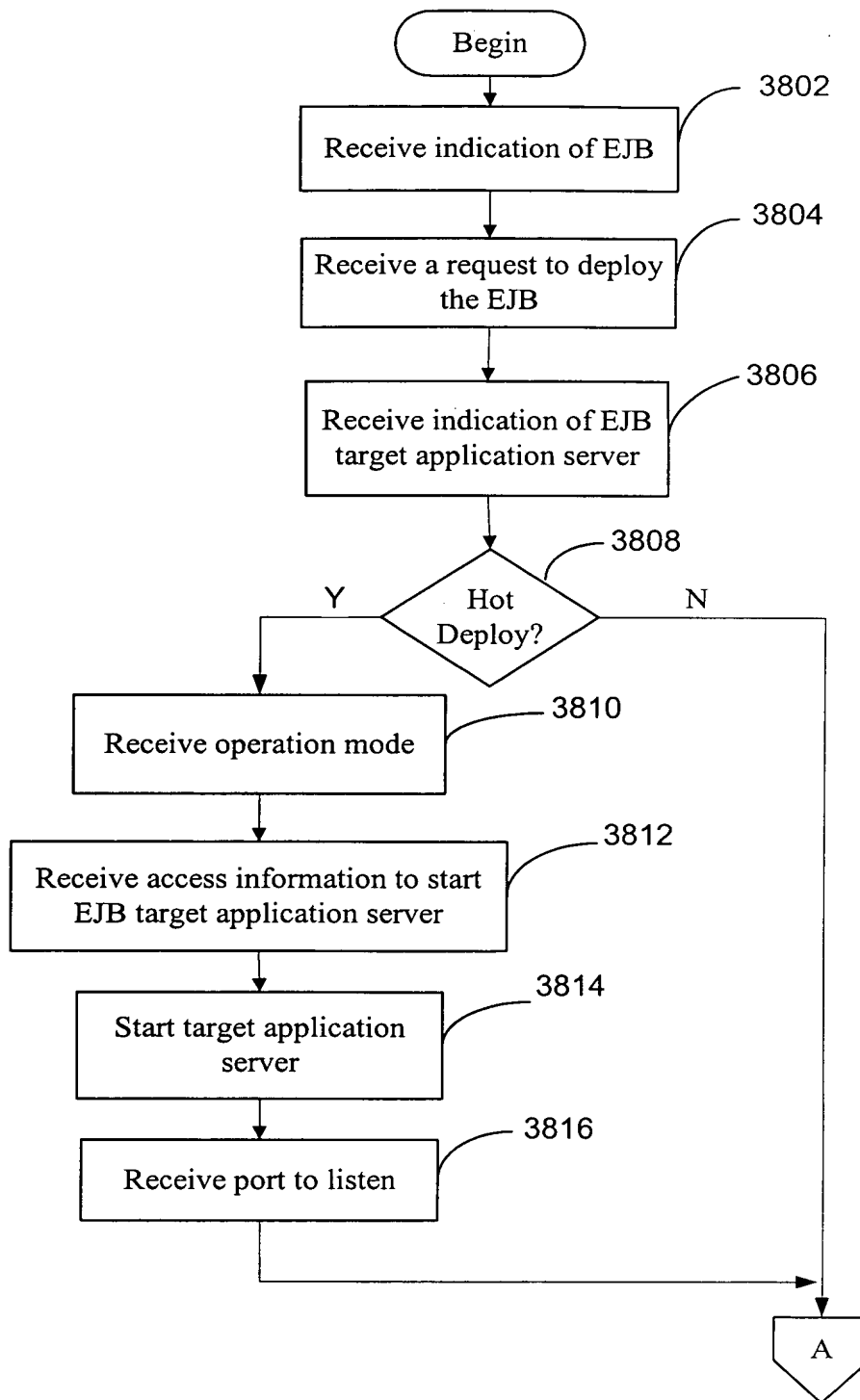


FIG. 38B

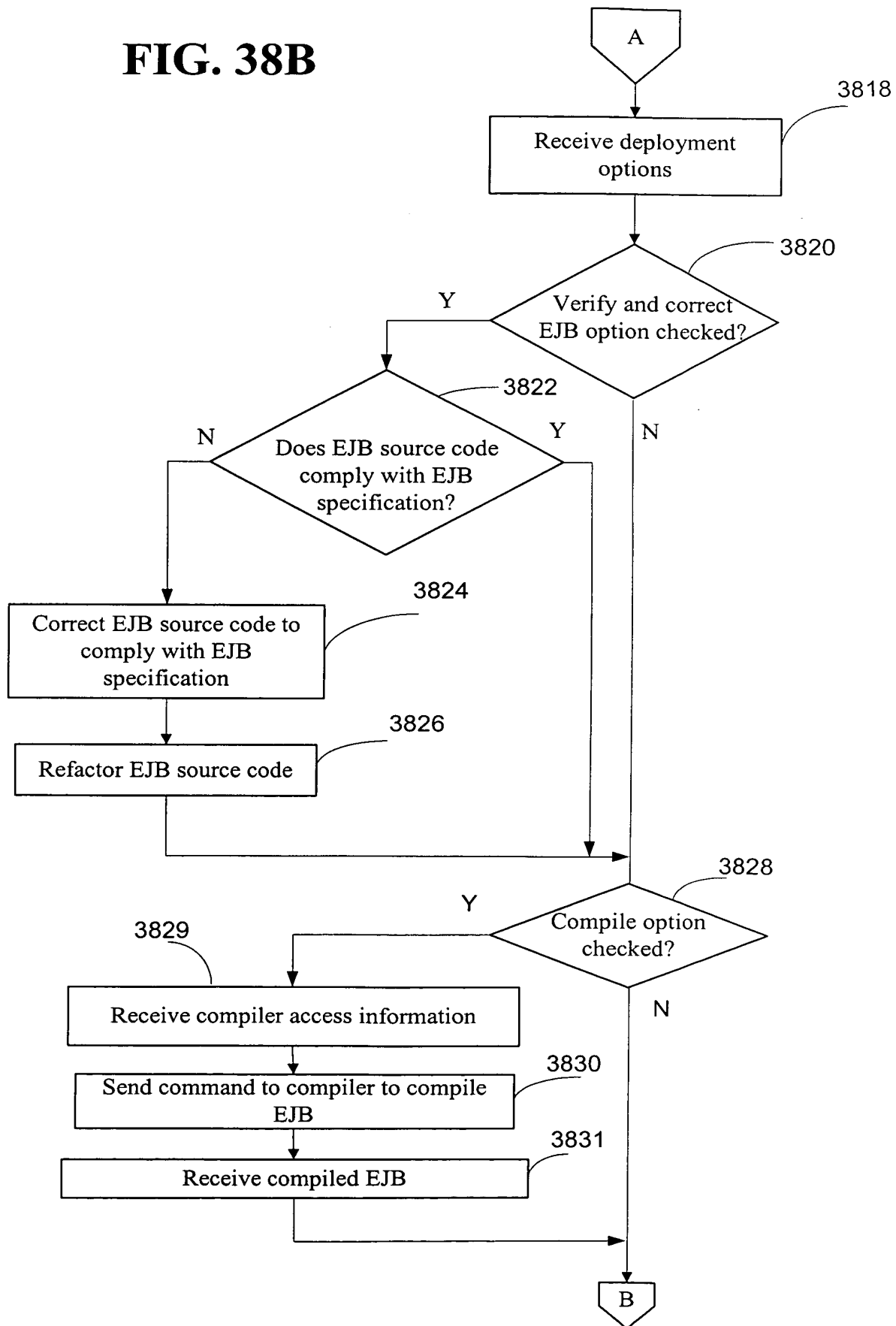


FIG. 38C

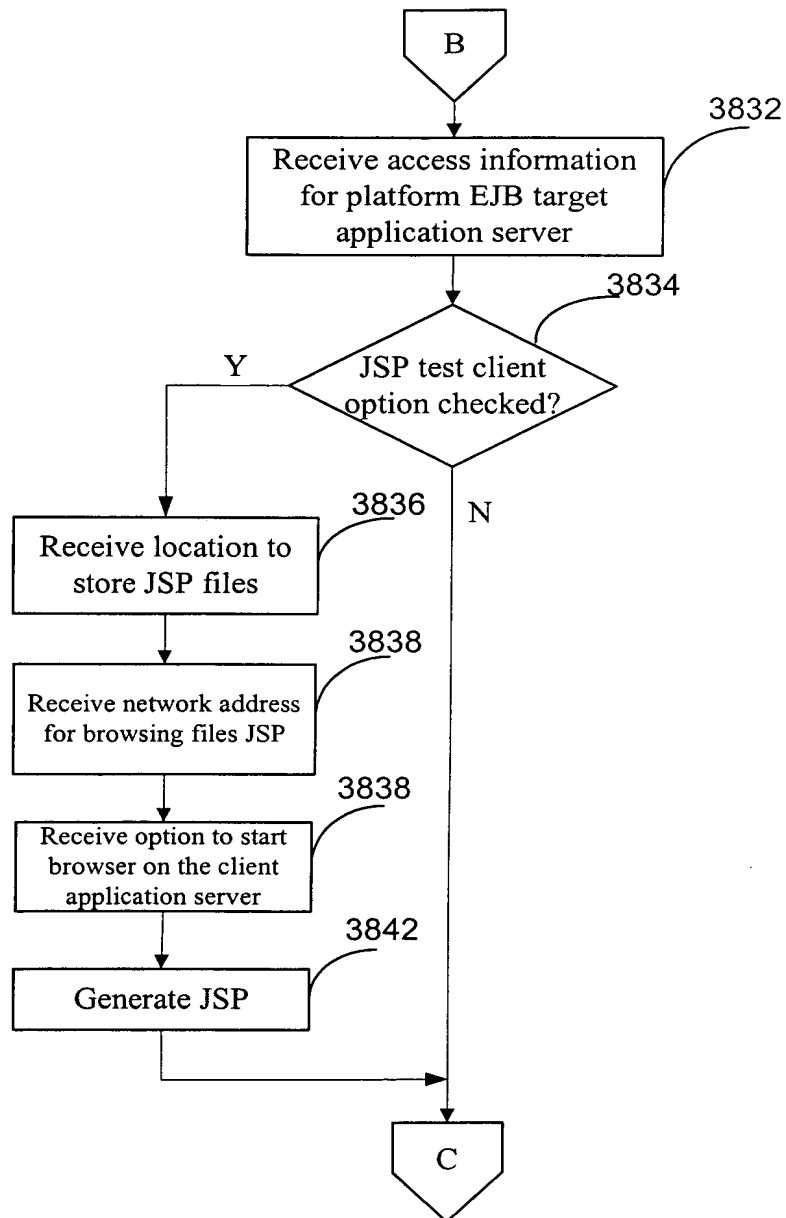


FIG. 38D

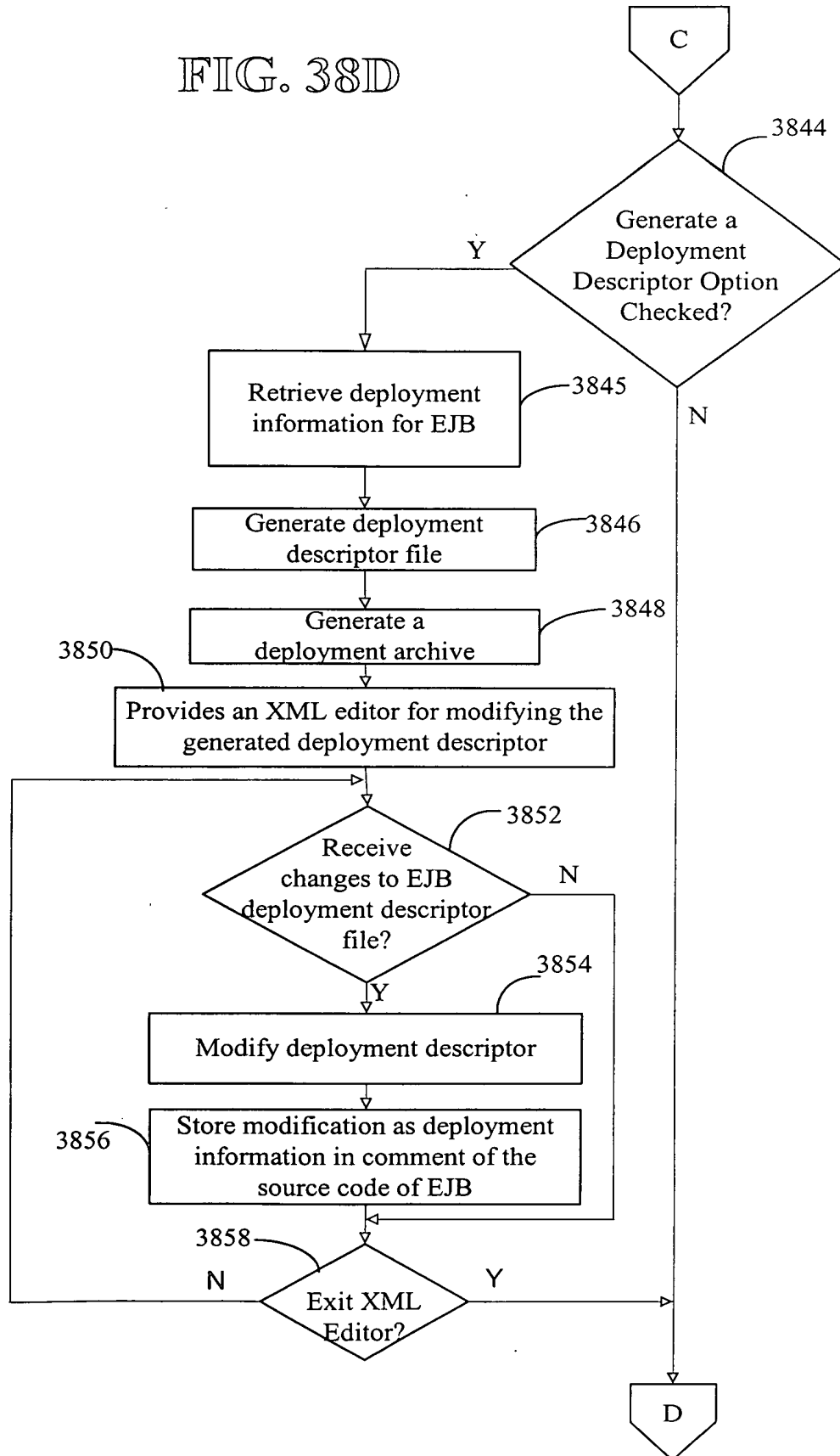


FIG. 38E

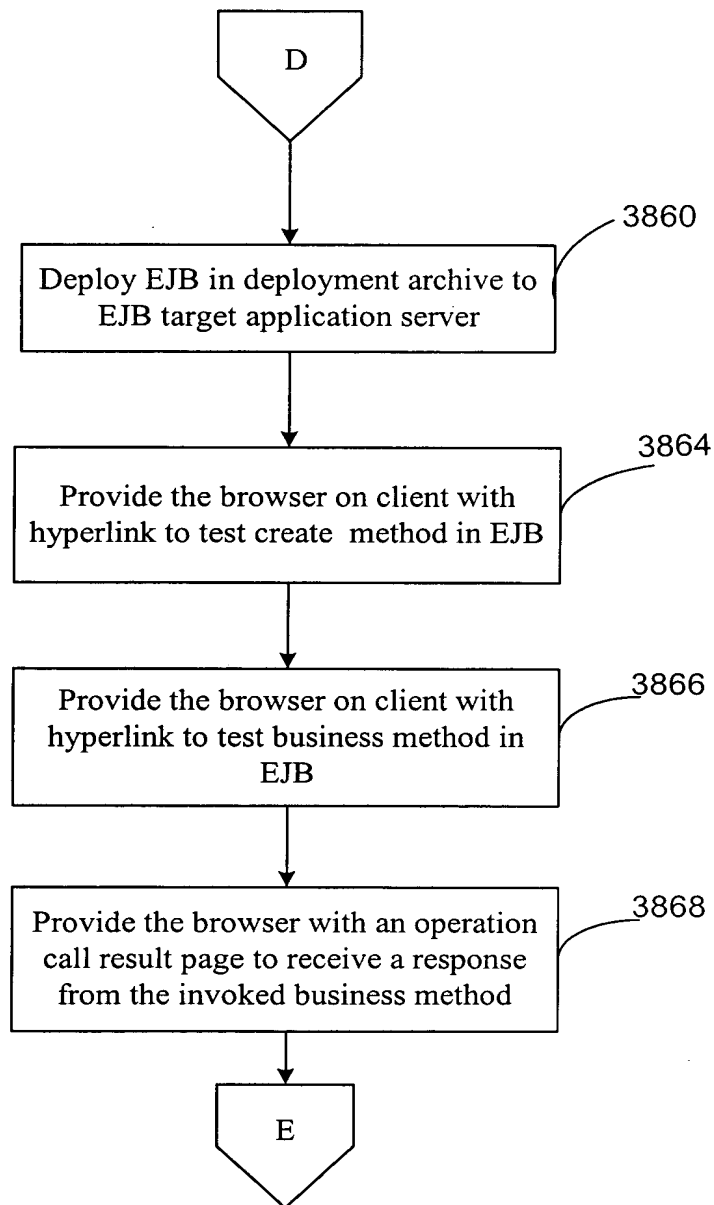


FIG. 38F

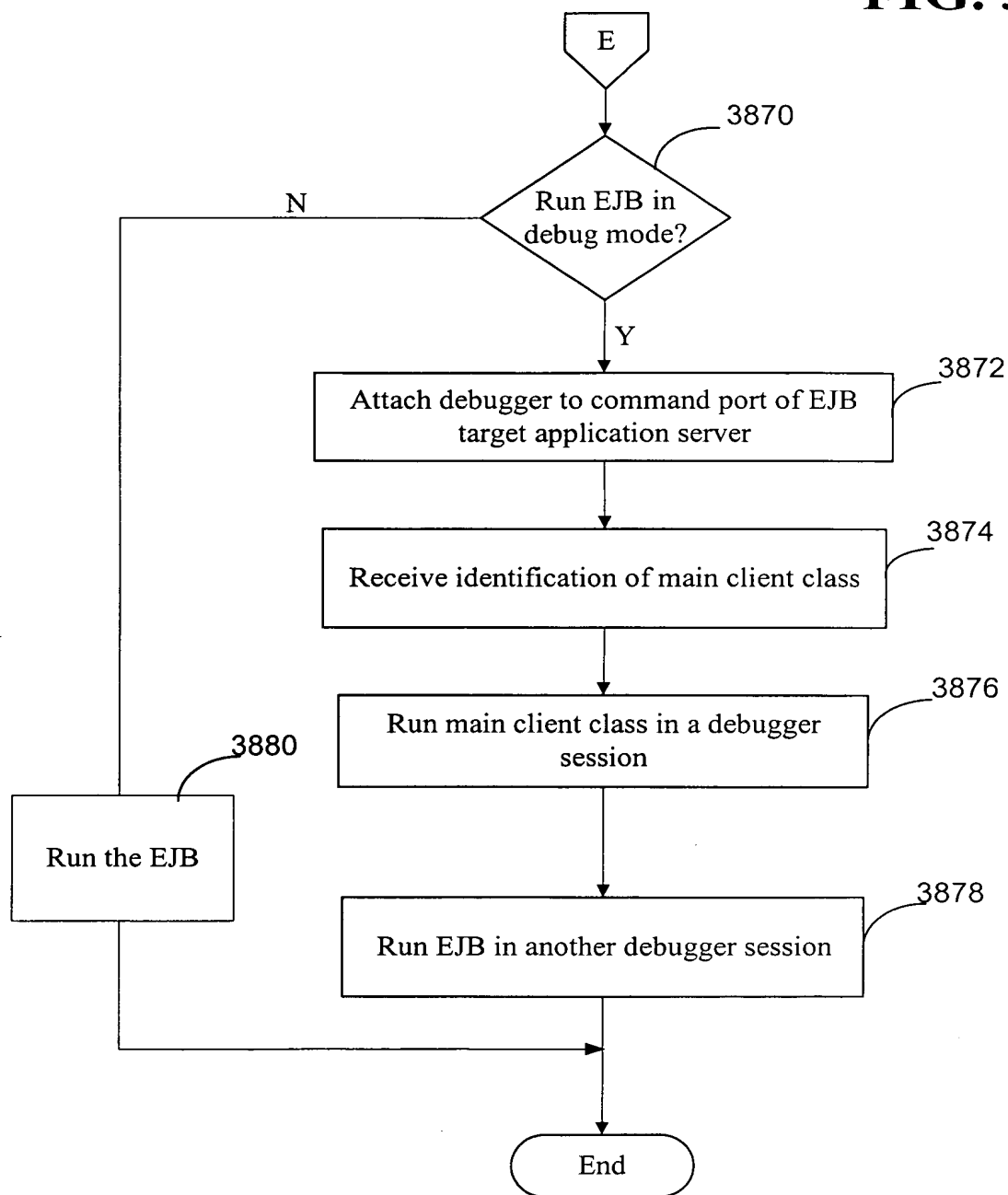


FIG. 39

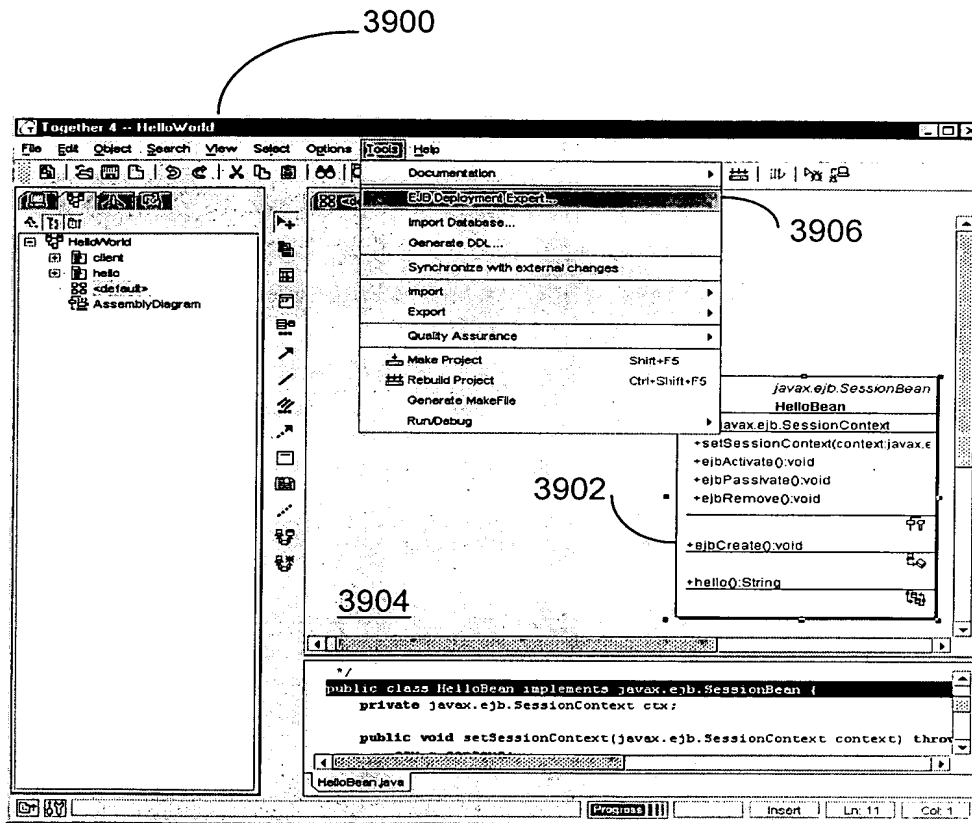


FIG. 40

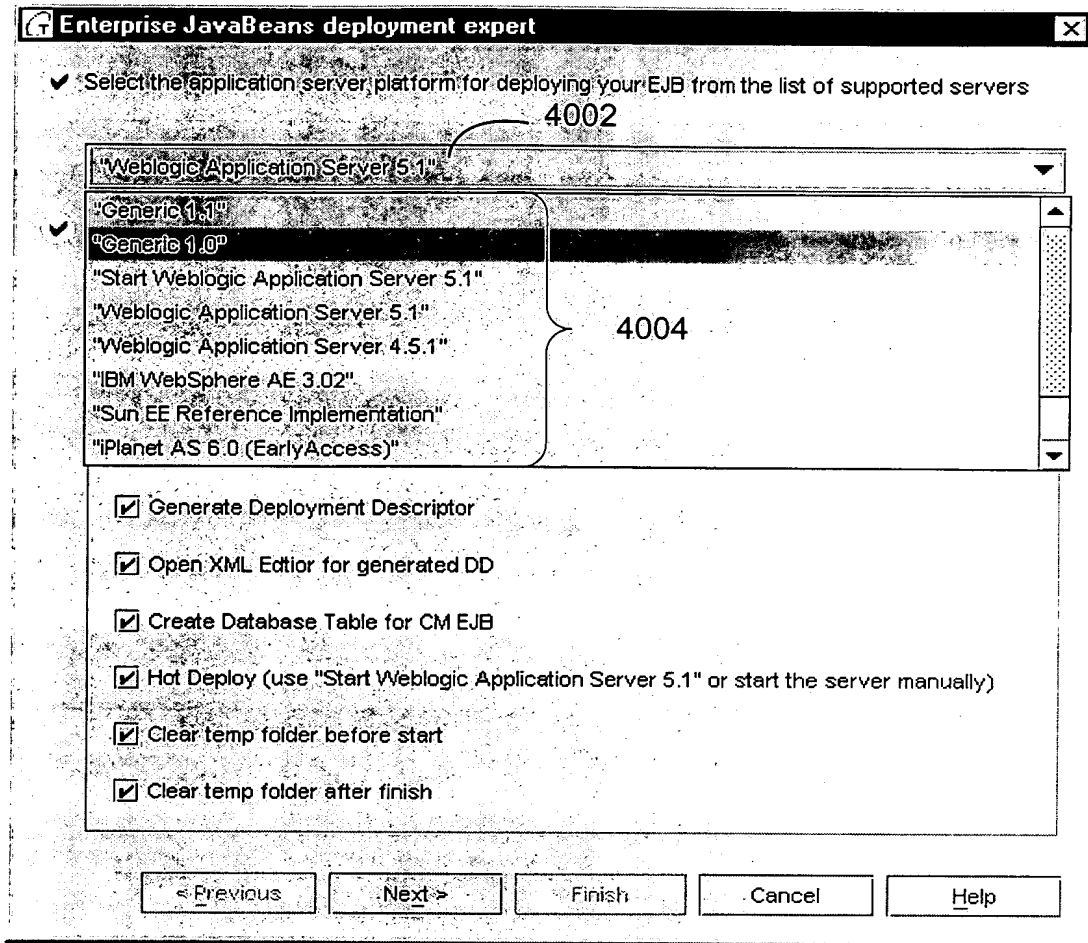


FIG. 41

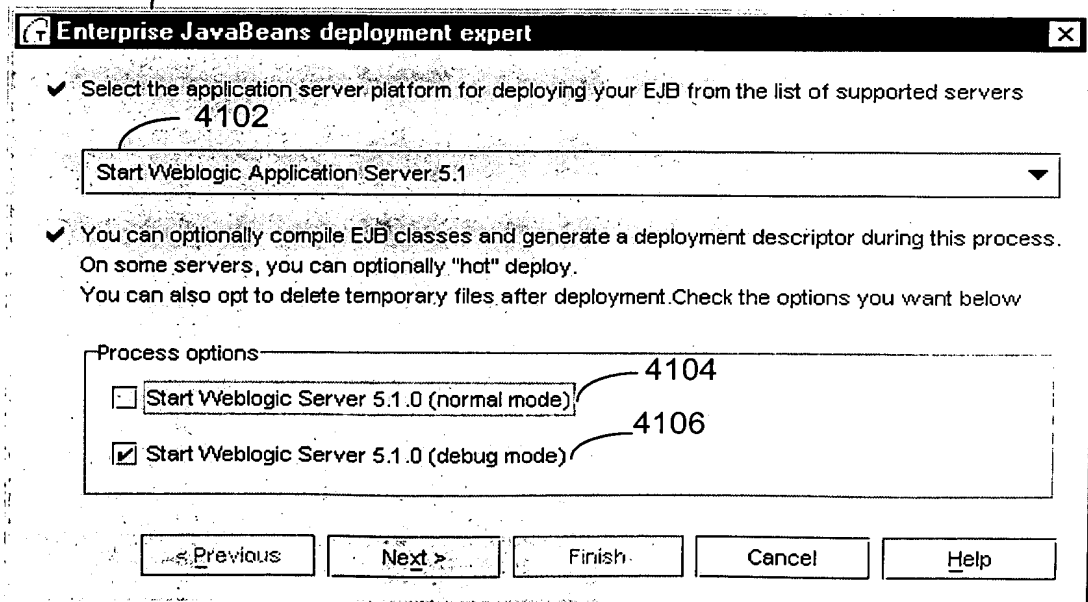


FIG. 42

4200

Name	Value
Root directory of WebLogic Server...	e:\wls51 4202

< Previous Next > Finish Cancel Help

FIG. 43

4300

Name	Value
Remote process port ad...	8787 4302

< Prev... Next > Finish Cancel Help

FIG. 44

4400

```

Thu Dec 14 15:40:27 EST 2000:<I> <EJB> 0 deployed, 0 failed to deploy.
Thu Dec 14 15:40:28 EST 2000:<I> <ZAC> ZAC ACLs initialized
Thu Dec 14 15:40:28 EST 2000:<I> <ZAC> ZAC packages stored in local directory ex
ports
Thu Dec 14 15:40:28 EST 2000:<I> <ListenThread> Listening on port: 7001
<NT Performance Pack> NATIVE: created IoCompletionPort successfully. IoPort=0x00
0002a4
Thu Dec 14 15:40:29 EST 2000:<I> <WebLogicServer> WebLogic Server started
  
```

4402

4404

4500

FIG. 45

Enterprise JavaBeans deployment expert

✓ Select the application server platform for deploying your EJB from the list of supported servers

Weblogic Application Server 5.1

✓ You can optionally compile EJB classes and generate a deployment descriptor during this process. On some servers, you can optionally "hot" deploy. You can also opt to delete temporary files after deployment. Check the options you want below

Process options

☒ Add libraries, required for deployment, to the project Search/Classpath 4504

☒ Verify/Correct EJB sources for compliance with VLS5.1 requirements 4506

☒ Compile classes from the selected diagram 4508

☒ Generate Deployment Descriptor 4510

☒ Open XML Editor for the generated DD 4512

☐ Process Servlet(s)

☒ Hot Deploy (use "Start Weblogic Application Server 5.1" or start the server manually)

☒ Generate simple JSP client 4514

☒ Clear temp folder before start

☒ Clear temp folder after finish

< Previous Next > Finish Cancel Help

4600

FIG. 46

Weblogic Application Server 5.1 - Page "Verify/Correct sources"

Name	Value
Stop deployment if verification fails	<input checked="" type="checkbox"/> 4602
Correct sources to comply with VLS5.1	<input checked="" type="checkbox"/> 4604
Backup original sources before correction	<input checked="" type="checkbox"/>
Backup directory (if "correct sources" is selected)	c:\temp\backup

< Previous Next > Finish Cancel Help

FIG. 47

4700

FIG. 47

Weblogic Application Server 5.1 - Page "Common Properties"

Name	Value
Folder for the temporary files	c:\temp
Folder for the generated JAR file	c:\temp
JDK 1.2 root directory	e:\jdk1.2.2 4702
Root directory of WebLogic Server...	e:\wls5_1
Short name of EJB JAR file	togetherEJB.jar
Directory to compile Servlet	e:\wls5_1\myserver\servletclasses

< Previous Next > Finish Cancel Help

4800

FIG. 48

Weblogic Application Server 5.1 - Page "Run-time deploy"

Name	Value
System password	***** 4804
Server port	7001 4806
Server host	localhost 4808

< Previous Next > Finish Cancel Help

4900

FIG. 49

Weblogic Application Server 5.1 - Page "Simple JSP client generation"

Name	Value
WebLogic public directory	e:\wls5_1\myserver\public_html 4902
Subdirectory for placing JSP files	myJSP 4904
Base URL for browsing JSP	http://localhost:7001/ 4906
Show result after generation	<input checked="" type="checkbox"/>

< Previous Next > Finish Cancel Help

FIG. 50

5000

Documentation Designer - [C:\Together4.2\modules\com\togethersoft\modules\ejbframework\step\jsp\templates\Navigation...

File Object Stock Help

NavigationPage.jsp 5002

	<h1>Navigation page </h1>
Element iteration	Iteration by "Class (generic)"
Header	<div align="left">..... Entity beans</div>
Static Section	<div align="center"> <p align="left">EJB: InvokeForName(getDGOption("AdapterNP"), "getBeanNameByHomeInt", getDGO </p></div>
Element iteration	Iteration by "Operation (generic)"
Header	<blockquote> <div align="left">Finders: </div> </blockquote>
Static Section	<div align="left"> Return type: Name: (Parameter: </div>
Footer	</blockquote> </blockquote>
Element iteration	Iteration by "Operation (generic)"
Header	<blockquote> <div align="left">Creators: </div> </blockquote>
Static Section	<div align="left"> Name: (Parameter: </div>
Footer	</blockquote> </blockquote>
Element iteration	Iteration by "Class (generic)"
Header	<div align="left">..... Session beans</div>
Static Section	<div align="center"> <p align="left">EJB: InvokeForName(getDG</p></div>
Element iteration	Iteration by "Operation (generic)"
Header	<blockquote>

FIG. 50

FIG. 51

```

<?xml version="1.0"?>

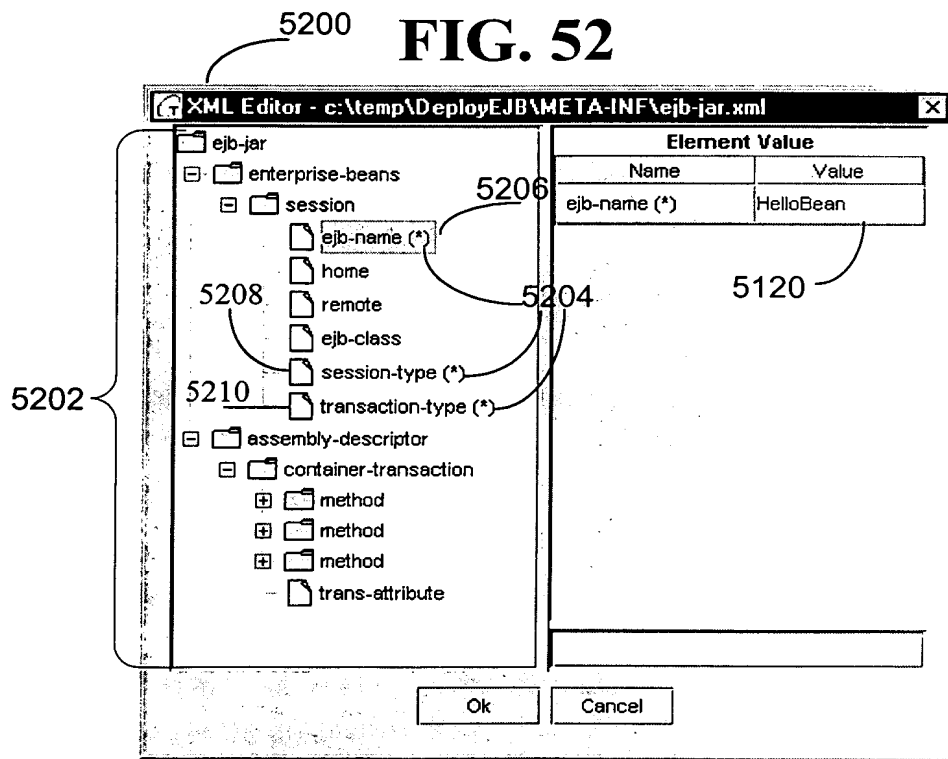
<!DOCTYPE ejb-jar PUBLIC "-//Sun Microsystems, Inc.//DTD Enterprise
JavaBeans 1.1//EN" 'http://java.sun.com/j2ee/dtds/ejb-jar_1_1.dtd'>

<ejb-jar>
  <enterprise-beans>
    <session>
      <ejb-name>HelloBean</ejb-name>
      <home>hello.HelloHome</home>
      <remote>hello.Hello</remote>
      <ejb-class>hello.HelloBean</ejb-class>
      <session-type>Stateful</session-type>
      <transaction-type>Container</transaction-type>
    </session>
  </enterprise-beans>
  <assembly-descriptor>
    <container-transaction>
      <method>
        <ejb-name>HelloBean</ejb-name>
        <method-name>*</method-name></method>
      <method>
        <ejb-name>HelloBean</ejb-name>
        <method-intf>Home</method-intf>
        <method-name>*</method-name></method>
      <method>
        <ejb-name>HelloBean</ejb-name>
        <method-intf>Remote</method-intf>
        <method-name>*</method-name></method>
      <trans-attribute>NotSupported</trans-attribute></container-transaction>
    </assembly-descriptor>
  </ejb-jar>

```

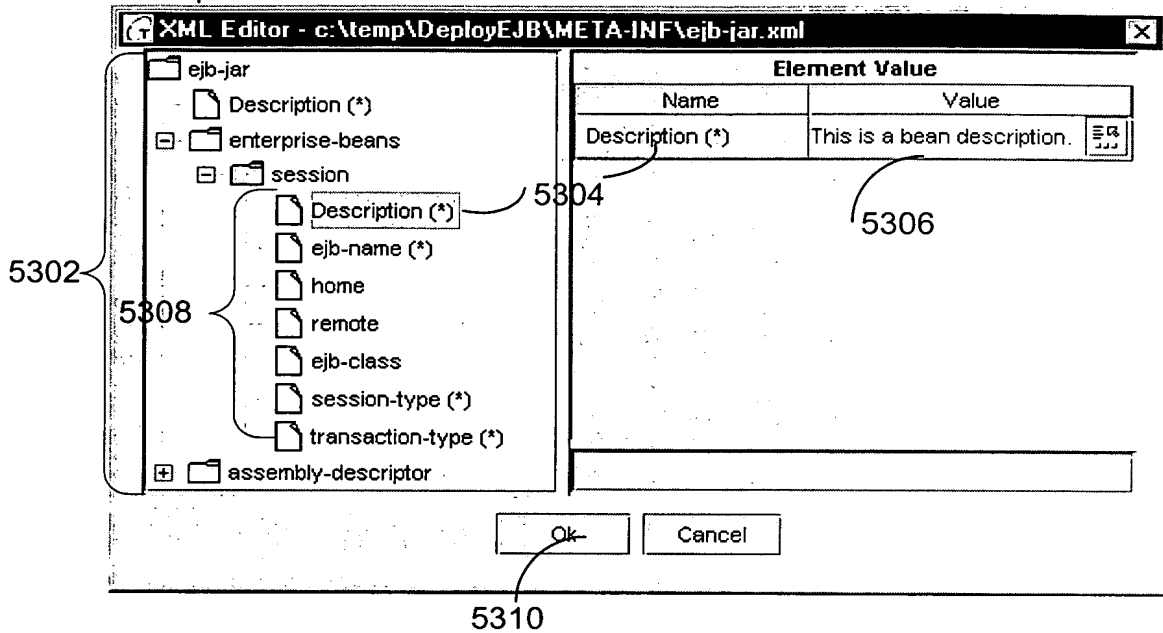
Diagram annotations:

- 5100: Points to the DTD declaration line.
- 5102: Points to the XML version declaration line.
- 5104: Points to the DTD declaration line.
- 5106: Points to the `<enterprise-beans>` element.
- 5108: Points to the `<ejb-jar>` element.
- 5110: Points to the closing `</ejb-jar>` tag.
- 5112: Points to the `<session>` element.
- 5114: Points to the `<assembly-descriptor>` element.
- 5116: Points to the `<ejb-name>` element.
- 5120: Points to the `<home>` element.
- 5122: Points to the `<remote>` element.
- 5124: Points to the `<ejb-class>` element.
- 5126: Points to the `<session-type>` element.
- 5128: Points to the `<transaction-type>` element.
- 5130: Points to the `<assembly-descriptor>` element.
- 5132: Points to the `<trans-attribute>` element.



5300

FIG. 53



5400

FIG. 54

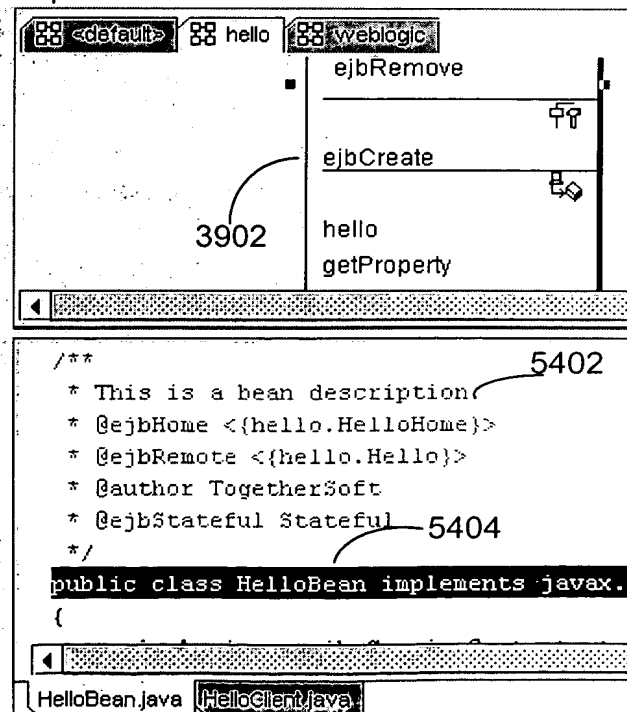


FIG. 55

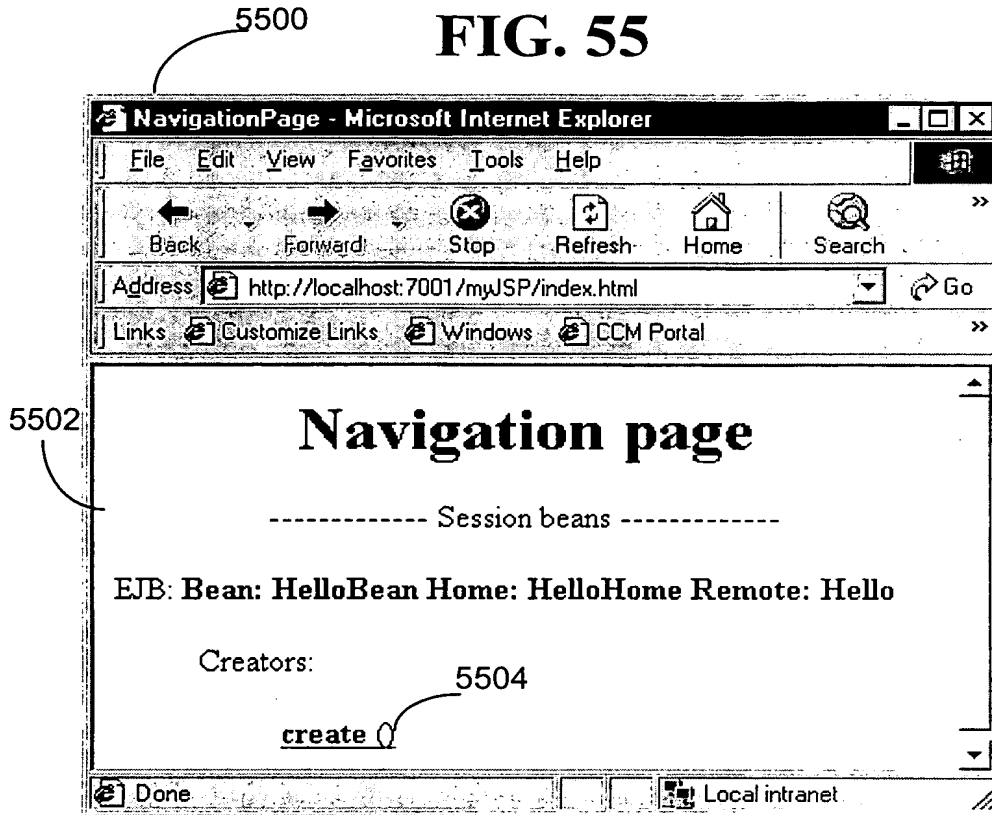


FIG. 56

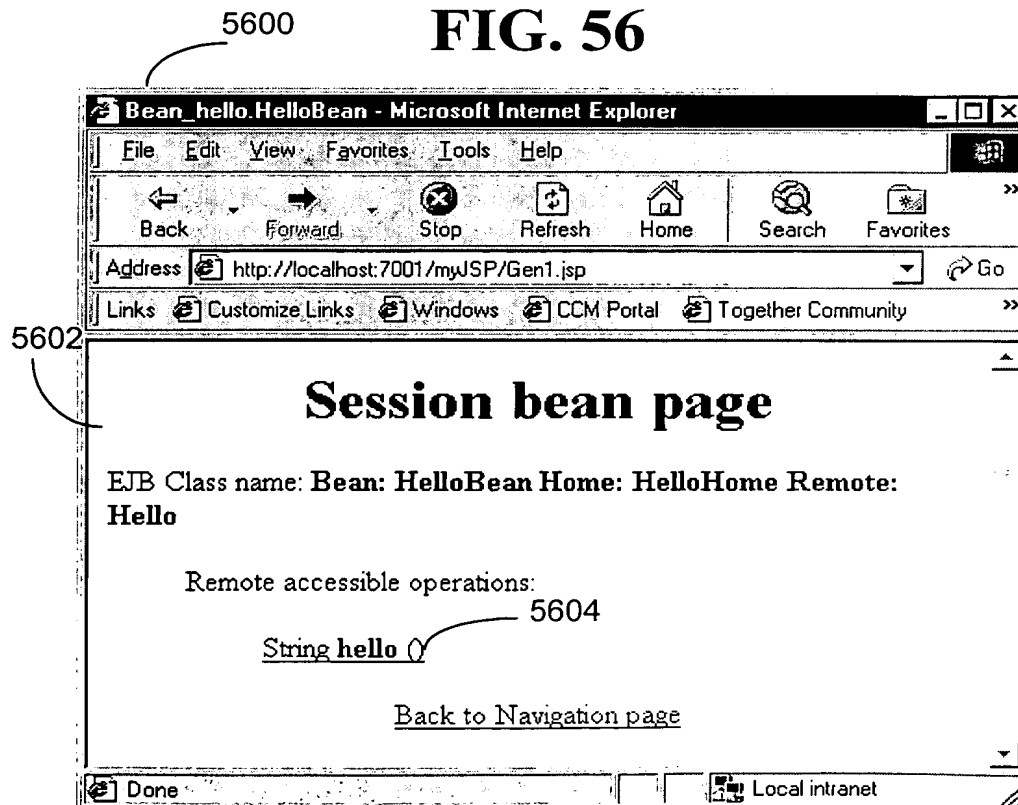


FIG. 57

FIG. 57

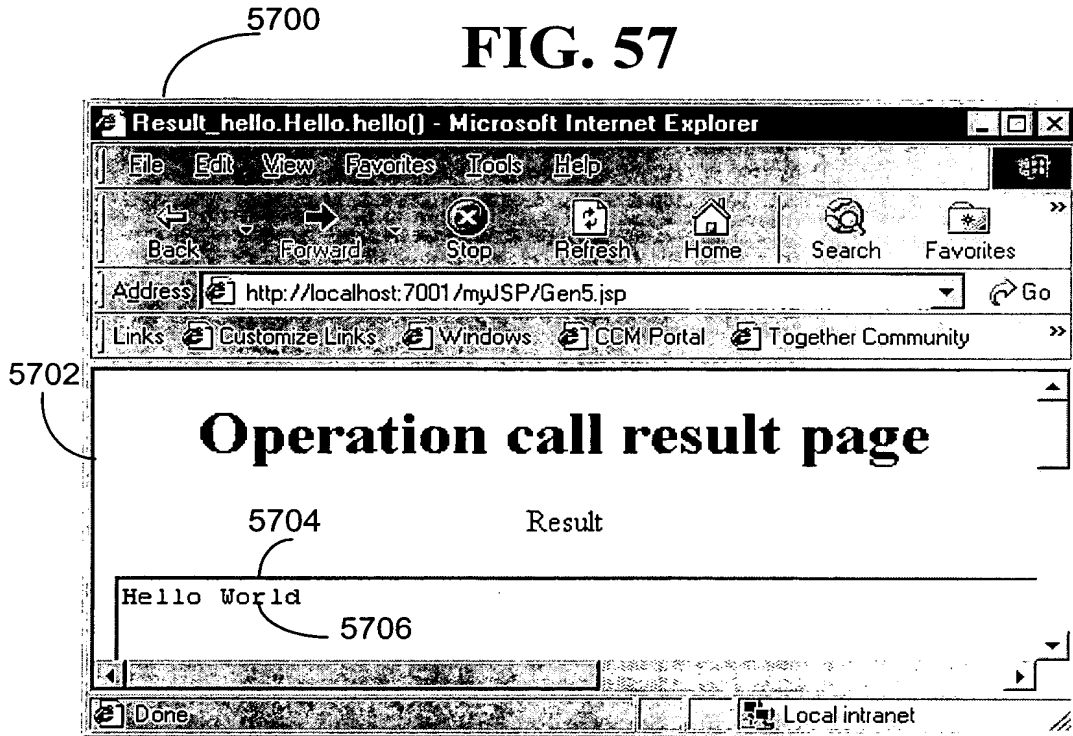
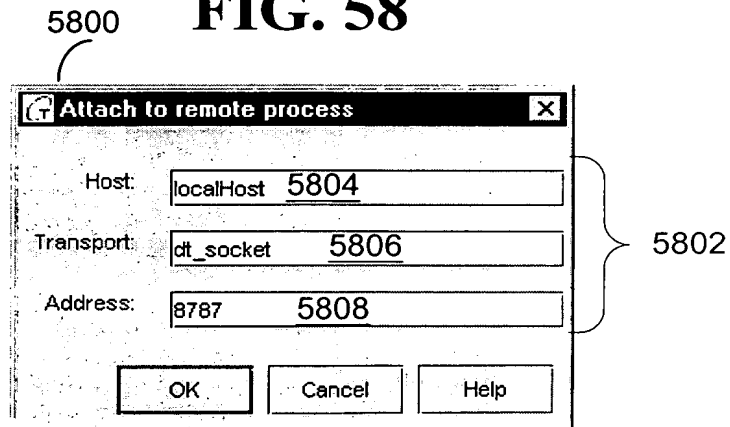
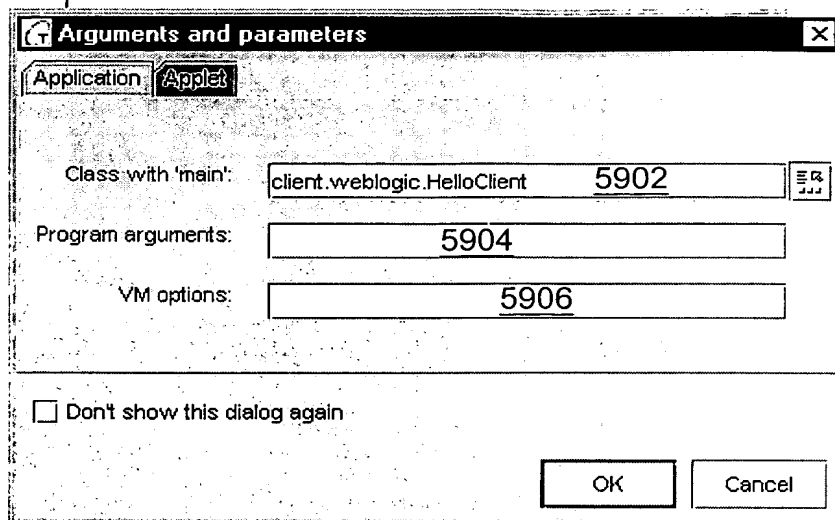


FIG. 58



5900

FIG. 59



6000

FIG. 60

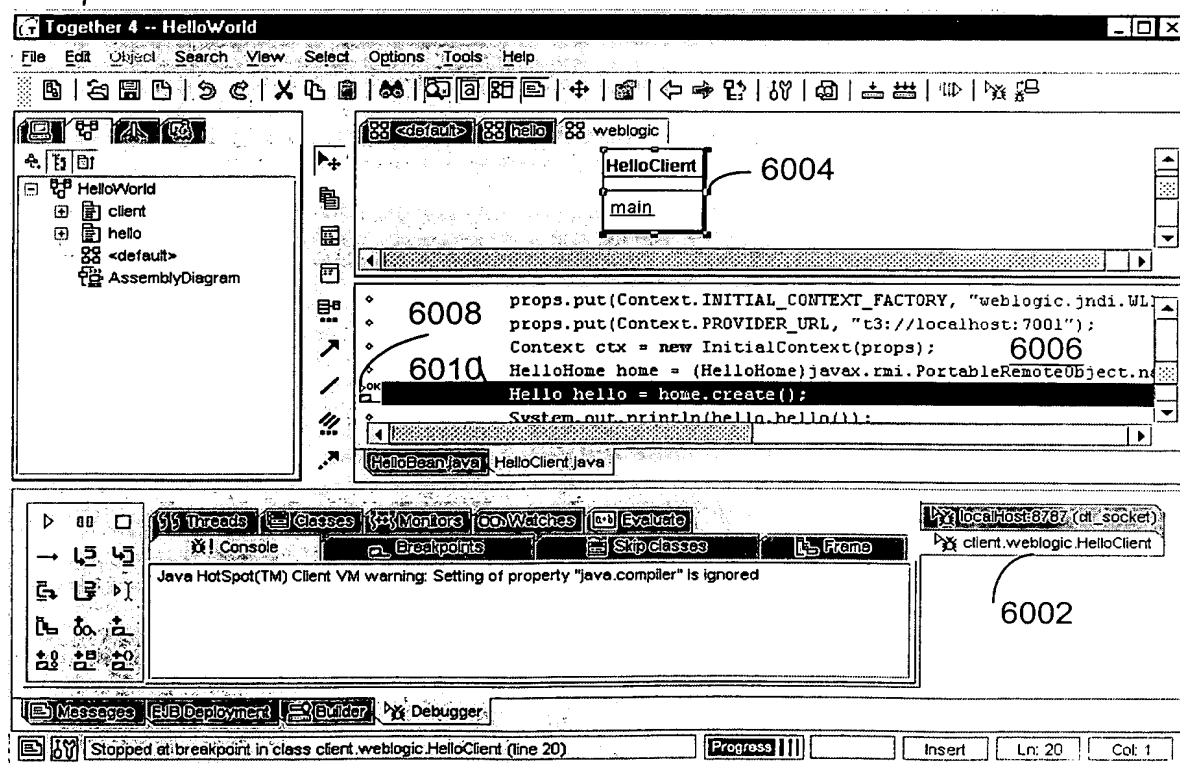


FIG. 61

